
ACMS Requirements Review

19-Feb-98

Requirement ID: G- 1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requirement #1

Requirement Text:

General Requirement

Resolution Text:

FOREWORD added. See example in 98feb23/perfspec.doc.

COMMENTS:

MSC:

Reviewer:

Comments:

AMSAA

Gordon Ney

Need a forward, or a new appendix or both that describes how this document is intended to be used. The following is provided as a strawman to indicate content and focus. The intent is for Army acquisition organizations to use this document as a guide specification or template for the acquisition of an ACMS. The document can be used for acquisition of an ACMS for one site or a consolidated acquisition for more than one site. Tailoring will still be required for each site, or organizational element. As a guide specification this document can have many uses, when viewed from near term and long term perspectives. In the near term, implementing sites will tailor these requirements to meet local needs and to reflect the state of the industry at the time of the implementation. Each of the Army's organizational elements or sites will be responsible for developing its local implementation. Each local ACMS implementation will need to tailor the requirements in this document. The requirements also are intended to leave enough latitude that individual vendors may respond with their solutions as to how to best to meet the requirements. Lastly, these performance requirements are a basis for selecting a small number of qualified products to then be evaluated during a demonstration (operational test) period. These requirements and the demonstration (operational test) results would form the basis for developing the final acceptance criteria. This document could also be used in a pilot implementation of MIL-STD-2549. In the long term, this document can be used to: describe the vision or target ACMS; filter candidate systems to a short list of top candidate systems; accept the down selected system for each site. The guide acquisition strategy for use of this document includes: a tailored acquisition strategy, tailored acquisition plan, tailored performance specification, statement of work, solicitation, test and evaluation master plan and operational test at each site, acquisition program baseline, source selection and evaluation criteria for contractor systems/proposals. Industry can meet most of the capabilities and requirements in this document today, in the near term. Some of the capabilities and requirements in this document are long-term in nature and are capabilities that are not now commercially available but will be available commercially by or before the year 2002. These long-term requirements are highlighted in table 6-1. A long-term requirement may be addressed as a separately priced option or technology refresh.

ACMS DEFINITION: Automated Configuration Management System (ACMS) is a system of systems that provides configuration management support for end items and their product data in a paper-free acquisition and logistics environment. ACMS is based on Commercial Off The Shelf (COTS) Product Data Management (PDM) products.

Justification Text:

Accepted. Added a foreword to the document. Moved AMSAA provided definition of ACMS to beginning of foreword text. Made minor edits to the text. See 98feb23/perfspec.doc.

ACMS Requirements Review

19-Feb-98

Requirement ID: G- 2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requirement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

A review of the Draft ACMS Performance Specification was accomplished. When a preparing activity is decided, the standardization office of that activity should be the organization to format the document.

Justification Text:

No action required at this time.

ACMS Requirements Review

19-Feb-98

Requirement ID: G- 3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Begin the document on the first page and delete logos. Specifications do not have cover pages.

Justification Text:

Recoomend rejecting. This is not a cover page. It is the first page per MIL-STD-961D, para. 5.2 which defines first page information requirements. MIL-STD-961D does not require a logo, but MIL-STD-961D has a logo.

ACMS Requirements Review

19-Feb-98

Requirement ID: G- 4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

On all pages, delete line from top and bottom. Center the MIL-PRF-XXXXX.

Justification Text:

Accept for the sake of document standards, but not for aesthetics.

ACMS Requirements Review

19-Feb-98

Requirement ID: G- 5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Use the same type throughout the document (no capitalizing, bolding, italicizing, etc.).

Justification Text:

Accept for the sake of document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.

ACMS Requirements Review

19-Feb-98

Requirement ID: G- 6

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>Only the first word of the subject is capitalized.</i>

Justification Text:

Accept for the sake of document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.

ACMS Requirements Review

19-Feb-98

Requirement ID: G- 7

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Begin the text on the same line as the subject, directly following the period following the subject.

Justification Text:

Accept for the sake of document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.

ACMS Requirements Review

19-Feb-98

Requirement ID: G- 8

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>Do not underline paragraph numbers or have a period at the end of the subject.</i>

Justification Text:

Accept for the sake of document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.

ACMS Requirements Review

19-Feb-98

Requirement ID: G- 9

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>Indent subparagraphs.</i>

Justification Text:

Accept for the sake of document standards, but not for aesthetics. Using TimesNewRoman, 12 point, no bolding, no italics, no underlines under paragraph numbers, no periods after subject except when followed immediately by text, and only 1st word of subject is capitalized, indent subparagraphs.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-10

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

An appendix shall begin on the next page following the specification. The upper center of each page shall be marked with the specification identifier and the word APPENDIX two lines below the identifier. The title shall be located two lines below the word APPENDIX on the beginning page only. For example:

XXXXXX(XX)	APPENDIX A	MIL-PRF- ACMS
PERFORMANCE SPECIFICATION		

Justification Text:

Accept. Moved concluding material and Form 1426 to end.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-11

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Page numbers should appear on every page, except the first, and should be consecutive throughout the entire document.

Justification Text:

Issue: Does the Task Force want the electronic document setup for double sided printing? If so, should the blank pages be numbered and include the phrase, "This page is intentionally left blank." Also, is the foreword page ii or iii (or 2 or 3), and is the first page of Section 1 page 1 or 3 or 5?

ACMS Requirements Review

19-Feb-98

Requirement ID: G-12

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Appendices are numbered consecutively following the last page of the specification.

Justification Text:

Accept

ACMS Requirements Review

19-Feb-98

Requirement ID: G-13

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Page 1....Delete the footnote. This information is more appropriately located in definitions.

Justification Text:

Would like to reject this comment. Definitions are already in the glossary. We are trying to highlight the use of product data, document, and metadata. If the Task Force wants to eliminate footnotes, we recommend including the footnote's text as paragraph 2 of 1.2.2, ACMS Scope.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-14

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

PAGE 3....Subparagraphs delete boxes and substitute a., b., c., etc. (Specific Comments from the AMCOM Standardization OfficePage 1, para 1.2.1)

Justification Text:

Accept for the sake of document standards, but not for aesthetics. Will replace the bullet boxes with letters throughout the document.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-15

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

State requirements in paragraph format, deleting the type of verification code. The reference numbers should be added at the end of each paragraph.

Justification Text:

Accept, except both verification codes and original reference numbers are intended to be deleted for the final document. It was always our intention to do this, as well as stating the requirements in paragraph format.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-16

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

All tables are numbers consecutively throughout a document using Roman numerals in the order they are referenced in the text. The word TABLE shall be capitalized, followed by the Roman numeral and a period, followed by the underlined, italicized, or bold faced title. The first letter of the title shall be capitalized. Table titles shall be centered above the table and shall be on the same line with the table number.(Reference para 4.15.1 of MIL-STD-961)

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-17

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Delete 4-1 and substitute I.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-18

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Change table number from 4-1 to I.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-19

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

(Page 43)....Concluding material is provided at the end of the document following any tables, figures, appendices, or indices and before the DD Form 1426.

Justification Text:

Accept. Moves concluding material and Form 1426 to end.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-20

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

DD Form 1426.....This form follows the concluding material and is included as the last sheet of the specification.

Justification Text:

Accept. Moves concluding material and Form 1426 to end.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-21

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

See example in 98feb23/perfspec.doc.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Delete the cover sheet for Appendices.

Justification Text:

Accept for the sake of document standards, but not for aesthetics.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-22

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

An Index must be created and be inserted following the Appendices (see MIL-STD-961, para 5.6)

Justification Text:

Reject. MIL-STD-961D does not require an index. Refer to paragraph 5.6, Index. "An alphabetical index may be placed at the end of a specification to permit ready reference to contents. Its use shall be limited to lengthy specifications. If used, an index follows the basic specification and any appendix. The pages are numbered continuously following the last page of the basic specification or appendix, as applicable. The document identifier shall appear in the upper center of each page." The ACMS Performance Spec is not a long document and the Find function works better with electronic documents than an index does.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-23

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

An Acronym Listing should be created separate from the Glossary.

Justification Text:

Accept. We plan on making Appendix D Acronyms and Appendix E Glossary.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-24

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

When referring to this Performance Specification, capitalize the P in Performance and the S in Specification throughout OR use lower case throughout to be consistent.

Justification Text:

Accept. Will use lower case performance specification unless specifically citing the title of this document, ACMS Performance Specification.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-25

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Where Weapon System is used throughout the document representing a commodity replace with Army product or Army program, as appropriate. Explanation: Repeat of comments to the CONOPS that were disregarded see Para 1.2.4.

Justification Text:

Accept the specific suggestion of this comment and the related comment (1.2.4-16, AMCOM PART 2). Will search document for "weapons system" and "end item." Believe the CONOPS solution was to generally change "weapon system" to "weapons system/end item" or "weapons system and end item." Prefer the language proposed by AMCOM.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-26

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Need to be consistent with the usage of e.g. or For example throughout the document. Use one or the other.

Justification Text:

Accept. Will search document for "e.g." and replace with "for example."

ACMS Requirements Review

19-Feb-98

Requirement ID: G-27

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Need to be consistent with the usage of engineering change actions instead of ECPs throughout the document.

Justification Text:

Accept. Will search the document for "change action" and "ECP," then replace with "engineering change action." Specific examples will be seen later when resolving specific AMCOM and AMSAA comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-28

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ...To: .. Section 6At the STRICOM there were many areas that were to be covered in this section for use by the implementing MSCs. They included but were not limited to SOW requirements, legacy conversion issues, interfaces at the time of acquisition, and other implementation issues. They are not here – where did they go? Explanation:

Justification Text:

Recommend rejection. Have only been able to recall/find three such items. One was the request to add to the meeting minutes that STRICOM was to deal with legacy conversion requirements associated with MEARS/ACCESS in their SOW. This was put that in the minutes. The second had to do with adding something on Tech Refresh and a modern architecture into Section 6. This was done with paragraph 6.2.1d. The third was to identify requirements that should be deferred in Section 6. Table 6-1 (now Table II or III) accomplishes this. The only other possibility we are aware of is the adding of parenthetical remarks to requirements that are to be tailored at implementation. We did not add this to all the requirements that needed them. BDM wrote comments to add the remarks to the affected requirements. If desired, a table can also be added to Section 6 that identifies these requirements. Recommend leaving the parenthetical remark on each requirement. Otherwise, some of them do not make sense. Lastly, the foreword provided by AMSAA may also address some of these concerns.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-29

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requiriement

Requirement Text:

General Requiriement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... To: ... Appendices A, B, and CThe AMCOM comments for these appendices will be submitted ASAP. Explanation:

Justification Text:

No action at this time.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-30

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requirement

Requirement Text:

General Requirement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Where will the disposal requirements be placed ?

Justification Text:

Currently, there are not disposal requirements.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-31

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General Requirement

Requirement Text:

General Requirement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Throughout the document, including the appendices, the term "data" has been replaced by "product data". We believe that this change is incorrect in that it limits the true intent of the system. In paragraph 3.1.1.1.2, the words were specifically put in to include administrative data. In addition, there are other kinds of data – financial, test and evaluation, and packaging, just to name a few. By putting the word "product" in front of all data, and then defining product data as being synonymous with engineering data, we are automatically excluding all other kinds of data from this performance spec. This fix must be implemented very carefully because now "metadata" references have been removed and must be reinserted as required.

Justification Text:

Reference file data-rsp.doc for explanation/discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: G-32

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

General Requirement

Requirement Text:

General Requirement

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Remove the word "editable" as it is being applied to displays. (from appendices A, B, & C).

Justification Text:

Accept comment with request for guidance. Per earlier Task Force guidance, we have removed the term "electronic form" which to us, seems to most clearly convey what is intended. We tried "editable display" in place of this. We agree this is a poor choice. We are not sure "display" alone conveys that the user may input and edit information. It appears that the relevant requirement and paragraphs are the following. If the Task Force wishes we will change the references in these places to "display," "electronic display," "on-line display," or whatever is decided is the best term. We are out of suggestions, other than "electronic form." 3.1.1.7.4.5, A.2.5, B.1.2, B.1.3, B.1.4, B.2.1.2, B.2.1.2.1, B.2.1.2.2, B.2.1.2.7, B.2.1.2.10, B.2.2.2.1, C.2.1, C.3.1, C.3.3, and C.3.4.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Scope

Requirement Text:

This specification covers performance requirements for the U.S. Army's Automated Configuration Management System (ACMS). It defines the functional requirements for ACMS, interface characteristics, and the environment in which it must operate.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Overview

Requirement Text:

ACMS Overview.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Purpose

Requirement Text:

The ACMS will provide the Army with a next-generation configuration management and product data management system. It will enable greater access to and sharing of enterprise product data in support of Integrated Product Teams (IPTs), reprourement activities, engineering change processing, operations and maintenance activities, and disposal activities. The primary enhancements ACMS will provide include the following:

Resolution Text:

The ACMS will provide the Army with a next-generation configuration management and product data management system. It will enable greater access to and sharing of enterprise product data in support of Integrated Product Teams (IPTs); engineering change action processing; and reprourement, operations, maintenance, and disposal activities. The primary enhancements ACMS will provide include the following:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: engineering change processing, operations and maintenance activities, and ... To: engineering change processing, operations, maintenance, and disposal activities. Explanation: clarification</i>

Justification Text:

Accept with modification. Replaced phrase with, "in support of Integrated Product Teams (IPTs); engineering change action processing; and reprourement, operations, maintenance, and disposal activities."

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.1-1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Purpose

Requirement Text:

Storage and Use. ACMS will extend the data types stored and managed to include, for example, engineering models, simulations, and other forms of intelligent product data.

Resolution Text:

Storage and Use. ACMS will extend the data types stored and managed, for example engineering models, simulations, and other forms of intelligent product data.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: ... and managed to include, for example.... To: ... and managed, for example
..... Explanation: grammatical*

Justification Text:

Accept, but recommend the Task Force read the resolution as written above. It sounds awkward.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.1-2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Purpose

Requirement Text:

Rapid Retrieval. ACMS will enhance the user's ability to rapidly find, retrieve, and control access to product data.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.1-3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Purpose

Requirement Text:

Process Automation. ACMS will support automation of business processes such as baseline and release approval, engineering change processing, Technical Data Package (TDP) validation, and integrated product development as supported by IPTs.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Scope

Requirement Text:

ACMS will be the Army's enterprise configuration management and product data management system. The combined capabilities of ACMS will support traditional configuration management functions, product structure management, product data management, engineering change action processing, the Army's Tech Loop functions, and interfaces with the Joint Computer Aided Acquisition and Logistics Support (JCALS) Workflow Manager and multiple repository systems such as the Joint Engineering Data Management Information and Control System (JEDMICS) and Contractor Integrated Technical Information Service (CITIS) systems. ACMS will enable management of the Army's product data throughout the system life cycle -- from program development through production, sustainment, modification, and ultimately disposal.

Resolution Text:

ACMS will be the Army's enterprise configuration management and product data management system. The capabilities of ACMS will support traditional configuration management functions; product structure management; product data management; the assembly, review, validation, update, and dissemination of Technical Data Packages (TDPs); and interfaces with the Joint Computer Aided Acquisition and Logistic Support (JCALS) Workflow Manager, other Department of Defense (DoD) and commercially available process enhancement tools, and multiple repository systems such as the Joint Engineering Data Management Information and Control System (JEDMICS) and Contractor Integrated Technical Information Service (CITIS) systems. ACMS will enable management of the Army's product data throughout the system life cycle -- from program development through production, sustainment, modification, and, ultimately, disposal.

COMMENTS:

MSC:

Reviewer:

Comments:

ACMS Requirements Review

19-Feb-98

AMCOM	G Booker/C Crawford	<i>(PART 1)...From: (2nd sentence) ..The combined capabilities of ACMS will support traditional configuration management functions, product structure management, product data management, engineering change action processing, the Army's Tech Loop functions, and interfaces ... To: The capabilities of ACMS will support traditional configuration management functions, product structure management, product data management, the assembly, review, validation, update, and dissemination of Technical Data Packages (TDPs), and ... Explanation: engineering change action processing is a part of configuration management and offers an explanation of Tech Loop functions (PART 2)...From: ... (Last sentence)..sustainment, modification, and ultimately disposal. To: ... sustainment, modification, and, ultimately, disposal. Explanation: grammatical</i>
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<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	<i>From: Logistics Support (JCALS) To: Logistic Support (JCALS) Explanation: Correct spelling of Joint Program name</i>

Justification Text:

Accept both AMSAA and AMCOM comments. Replaced some of the commas with semi-colons. Added a modified version Behrens' comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.3

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Vision

Requirement Text:

ACMS will provide the required data when it is needed and in a form that the user can apply to accomplish the mission. The required data consists of all the product data necessary to completely define an item for the intended purposes of specifying, designing, analyzing, manufacturing, maintaining, sustaining, testing, inspecting, and dispositioning that item over its entire life span. The ACMS also must operate in a diverse Army environment, integrate with other Army major subordinate command (MSC) business processes, and communicate with other MSC, government, and industry information management systems.

Resolution Text:

ACMS will provide the required data when it is needed and in a form that the user can apply to accomplish the mission. The required data consists of all the product data necessary to completely define an item for the intended purposes of specifying, designing, analyzing, manufacturing, maintaining, sustaining, testing, inspecting, packaging, and dispositioning that item over its entire life span. The ACMS also must operate in a diverse Army environment, integrate with other Army Major Subordinate Command (MSC) business processes, and communicate with other MSC, government, and industry information management systems.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	(PART 1) ...From: ... sustaining, testing, inspecting, and dispositioning ... To: ... sustaining, testing, inspecting, packaging, and dispositioning Explanation: need to include packaging (PART 2) ...From: ... Army major subordinate command (MSC) ... To: ... Army Major Subordinate Command (MSC)... Explanation: grammatical

Justification Text:

Accept the 2 AMCOMM comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

The Army Materiel Command (AMC) Engineering Data Management System (EDMS) Functional Coordinating Group (FCG) ACMS Task Force, as established by the AMC Deputy Chief of Staff for Research, Development and Acquisition, is responsible for defining ACMS and developing this Performance Specification. The Performance Specification describes the target ACMS. In the near term, implementing sites will tailor these requirements to meet local needs and to reflect the state of the industry at the time of implementation.

Resolution Text:

The Army Materiel Command (AMC) Engineering Data Management System (EDMS) Functional Coordinating Group (FCG) ACMS Task Force, as established by the AMC Deputy Chief of Staff for Research, Development and Acquisition, is responsible for defining ACMS and developing this Performance Specification. After development, this specification was assigned to TBD as the proponent. The Performance Specification describes the target ACMS. In the near term, implementing sites will tailor these requirements to meet local needs and to reflect the state of the industry at the time of implementation.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>Change: After the first sentence ADD: "After development, this specification was assigned to TBD as the proponent." Explanation: The sentence states the AMC EDMS FCG ACMS Task Force is responsible for the defining and development of the performance spec. It has not been decided who the proponent activity will be and AMC is never the proponent activity.</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
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CIMData

Alan Mendel

From: ... In the near term, implementing sites will tailor these requirements to meet local needs and to reflect the state of the industry at the time of implementation. To: ... Implementing sites will prioritize these requirements based on their local needs and plans for implementing ACMS. Limited tailoring of the requirements maybe necessary by local commands to meet critical requirements and support state of the industry best practices and technologies at the time of implementation. Explanation: In the vision statement for ACMS, it is clearly stated that local commands need flexibility to implement based on their local needs and time frames. It is important for the US Army as an enterprise to limit changes to the ACMS requirements by local commands to ensure and maintain an environment where information can be freely communicated and accessed. Local commands should focus on the prioritizing the defined ACMS specifications based on their needs rather than customizing or expanding them. Only mission critical requirements such as, critical functionality needs, changes to best practices adopted by the Army and applicable technology evolutions should be justifiable reasons for performance specification changes.

Justification Text:

Accept AMCOM comment. Reject CIMdata comment. CIMdata is not fully aware of the MSCs' desire to tailor the Perf Spec and implement their own system.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4- 1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Each of the Army's MSCs will be responsible for developing its local ACMS implementation. The EDMS Program Management Office will coordinate and monitor implementations, and validate that the local implementations meet the requirements of this Performance Specification. Potential implementation sites include the following:

Resolution Text:

Each of the Army's organizational elements or sites will be responsible for developing its local ACMS implementation. The EDMS Program Management Office will monitor implementations, and validate that the local implementations meet the requirements of this performance specification as tailored for each particular site. Potential implementation sites include all MSCs and their installations.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... will coordinate and monitor implementation, and validate that the local implementations meet the requirements of this Performance Specification. To: ... will monitor implementations and validate that the local implementations meet the requirements of this Performance Specification as tailored for each particular site. Explanation: clarification</i>
AMSAA	Gordon Ney	<i>(PART 1) From: Potential implementation sites include the following (WVA) To: Potential implementation sites include all MSCs and their installations. Explanation: The task force needs more guidance from HQ AMC and other Dept of Army organizations. The list of exact sites may be a very contentious issue. (PART 2) From: Each of the Army's MSCs..... To: Each of the Army's organizational elements or sites..... Explanation: Less restrictive, yet complete.</i>

Justification Text:

Accept AMCOM and AMSAA comments. Deleting all specific list items that follow. Note that Perf Spec is now perf spec per a later comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4- 2

Source 1:

Source 2:

<null>

Source 1 ID:

<null>

Source 2 ID:

<null>

Paragraph #:

<null>

Paragraph #:

<null>

Note:

<null>

Note:

<null>

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Aberdeen Proving Ground, MD: Chemical and Biological Defense Command (CBDCOM)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4- 3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Anniston, AL: Anniston Army Depot (ANAD)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4- 4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Corpus Christi, TX: Corpus Christi Army Depot (CCAD)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4- 5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Ft. Monmouth, NJ: Communications and Electronics Command (CECOM)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4- 6

Source 1:

Source 2:

<null>

Source 1 ID:

<null>

Source 2 ID:

<null>

Paragraph #:

<null>

Paragraph #:

<null>

Note:

<null>

Note:

<null>

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Huntsville, AL: Aviation and Missile Command (AMCOM)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4- 7

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Letterkenny, PA: Letterkenny Army Depot (LEAD)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4- 8

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Natick, MA: Soldier Systems Command (SSCOM)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4- 9

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Orlando, FL: Simulation, Training & Instrumentation Command (STRICOM)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4-10

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Picatinny Arsenal, NJ: Tank-automotive and Armaments Command (TACOM) Army Research, Development and Engineering Center (ARDEC)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4-11

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Rock Island, IL: Rock Island Arsenal (RIA) and Industrial Operations Command (IOC)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4-12

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Texarkana, TX: Red River Army Depot (RRAD)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4-13

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Tobyhanna, PA: Tobyhanna Army Depot (TYAD)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4-14

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Warren, MI: TACOM Headquarters

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4-15

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

Watervliet, NY: Watervliet Arsenal (WVA)

Resolution Text:

Justification Text:

Delete per AMSAA comment on 1.2.4- 1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.4-16

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Users, Support Agencies, and Implementing Sites

Requirement Text:

The ACMS user community includes configuration managers, design engineers, developers, testers, trainers, logisticians, National Inventory Control Points or item managers, and manufacturers to include organic depots and arsenals. Potentially, anyone involved in an IPT, evaluating change actions, or retrieving product data for any reason, is an ACMS user. These users are located at the MSCs, the ARDECs, the depots and arsenals, and at weapons system developer sites.

Resolution Text:

The ACMS user community includes, but is not limited to, program managers, configuration managers, design engineers, developers, testers, trainers, logisticians, materiel managers, packaging specialists, and manufacturers to include organic depots and arsenals. Potentially, anyone involved in an IPT, evaluating change actions, or retrieving product data for any reason, is an ACMS user. These users may be located at the MSCs; the Research, Development and Engineering Centers (RDECs); the depots and arsenals; the Defense Logistics Agency sites; and at Army product developer sites.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	(PART 1)From: The ACMS user community includes configuration managers, design engineers, developers, testers, trainers, logisticians, National Inventory Control Points or items managers, and ... To: The ACMS user community includes (but is not limited to) configuration managers, design engineers, developers, testers, trainers, logisticians, materiel managers, packaging specialists, and Explanation: (PART 2) ...From: These users are located at MSCs, the ARDECs, the depots and arsenals, and at weapons system developer sites. To: These users may be located at MSCs, RDECs, the depots and arsenals, the Defense Logistics Agencies (DLAs), and at Army product developer sites. Explanation: The weapon systems change was requested in the CONOPS --- all products controlled by MSCs are not weapon systems, e.g., STRICOM, SSCOM

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
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ACMS Requirements Review

19-Feb-98

AMSAA

Gordon Ney

(PART 1) From: The ACMS user community includes... To: ... The ACMS user community includes program managers. Explanation: PMs are users that should be highlighted and not omitted. Especially if we are going to have a Program Manager's view as requirement 3.1.1.3.2.1 (PART 2) From: ...These users are located at the MSCs, the ARDECs, ... To: ... These users are located at the MSCs, the Research, Development and Engineering Centers (RDECs) ,..... Explanation: Research Development and Engineering Centers (RDECs) are the business units intended. ARDEC is only one business unit Headquartered at Picatinny Arsenal, NJ.

Justification Text:

Accept the specific suggestion of this comment and the related comment (G-25). Will search document for "weapons system" and "end item." Believe the CONOPS solution was to generally change "weapon system" to "weapons system/end item" or "weapons system and end item." Prefer the language proposed by AMCOM.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5

Source 1:		Source 2:	<null>
Source 1 ID:	<null>	Source 2 ID:	<null>
Paragraph #:	<null>	Paragraph #:	<null>
Note:	<null>	Note:	<null>

Category:

ACMS Operation

Requirement Text:

ACMS will be a federated system of systems. It will be federated in the sense that local sites will manage their own data and support their site unique business processes. It is a system of systems in the sense that all sites will share standard metadata (see Appendix D) that describe the managed product data and will possess capabilities that are common to the whole of ACMS.

Resolution Text:

ACMS will be a federated system of systems. It will be federated in the sense that local sites will manage their own data and support their site unique business processes. It is a system of systems in the sense that all sites will share metadata (see Appendix D) that describe the managed product data and will possess capabilities that are common to the whole of ACMS.

COMMENTS:

MSC:	Reviewer:	Comments:
AMCOM	G Booker/C Crawford	<i>From: ... all sites will share standard metadata ... Explanation: The word standard needs to either be defined or removed.</i>
MSC:	Reviewer:	Comments:
AMSAA	Gordon Ney	<i>From:will share standard metadata (see Appendix D) To: . .. will share metadata (see Appendix D) Explanation: Metadata is defined in appendix D. Standard metadata is not. Delete standard or define standard metadata.</i>

Justification Text:

Accept AMCOM and AMSAA comments. Deleted "standard." Rejected Behren's suggestion as being far to extensive of an API need. "ACMS will provide a comprehensive Application Interface encompassing any and all events/transactions associated with the system."

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5- 1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

As the Army's enterprise product data management system, ACMS will provide visibility into the identity and location of all controlled product data whether the Army has change control authority or not. The long-term goal is that all controlled product data, including changes and metadata, will be visible to any ACMS user who is authorized to see, use, or revise the data.

Resolution Text:

As the Army's enterprise product data management system, ACMS will provide visibility into the identity and location of all controlled product data, to include configuration management data, whether the Army has change control authority or not.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	(PART 1) From: ... into the identity and location of all controlled product data whether ... To: ... into the identity and location of all configuration and product data whether... Explanation: Need to include the configuration management data..... (PART 2) From: ... To: ... Remove the last sentence. Explanation: Same as first sentence.

Justification Text:

Accept AMCOM comments with a slight modification. Product data includes CM data. Therefore, to avoid redundancy, but also addressing AMCOM's concern, we modified the requirement to say, "... all controlled product data, to include configuration management data, whether ..."

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5- 2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Operation

Requirement Text:

ACMS represents a shift in the Army from document-centric data management to product-centric data management. Users will locate and retrieve data from a product structure perspective rather than from a document perspective. This change will enable users to identify desired product data by navigating product structures, searching for and through part families, as well as by traditional approaches such as querying data grouping or classification attributes. Product-centric data management also means that the product structure is a controlled item in addition to, or in place of, documents describing the product structure (for example, the Bill of Materials).

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5- 3

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

The target ACMS will provide a core set of standard, Army-wide data elements and capabilities, to include the following:

Resolution Text:

The target ACMS will provide a common set of Army-wide capabilities to include the following:

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: ... The target ACMS will provide a core set of standard, Army-wide data elements and capabilities to include the following: To: ... The target ACMS will provide a common set of Army-wide capabilities to include the following: Explanation: Data elements are derived from MIL-STD-2549, there are no other standard data elements proposed by the ACMS task force. If there are other proposed standard data elements then define them. Common capabilities is more representative of current direction.

MSC:

BDM

Reviewer:

Jim Cox

Comments:

From: ... The target ACMS will provide a core set of standard, Army-wide data elements and capabilities, ... To: ... The target ACMS will provide a core set of standard, Army-wide capabilities, Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)

Justification Text:

Accept AMSAA comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5- 4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

Provide a Single Access and Control Point. ACMS will provide users with a single, common means of finding, accessing and controlling Army enterprise-level product data for which the Army has change control authority.

Resolution Text:

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: ... Provide a Single Access and Control Point Army has change control authority. To: ... Provide a Single Access and Control Point Army has change control authority either as the Current Document Change Authority (CDCA) or the Application Activity (AA). Explanation: Clarifies access and control. Application Authority has veto power over proposed changes.

Justification Text:

Recommend Rejecting AMSAA comment. We need to distinguish between system and organization responsibilities and capabilities. While the AA may exercise some level of control over the data (e.g., change veto authority), it is unlikely that the AA will exercise that control authority via ACMS. More likely, they will have to use the CDCA's system, which may not be ACMS. We do require, however, that the AA be able to find, copy, view, and print product structures and product data using ACMS. See 1.2.5-10, Access to Contractor-Controlled Product Structures and Product Data, as revised, and 1.2.5-9, Manage Army Controlled Product Structures.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5- 5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Operation

Requirement Text:

Promote Sharing of Data. ACMS will provide users with concurrent access to product data where the data and the users may be geographically dispersed.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5- 6

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

Implement Data Standards. ACMS will read and write MIL-STD-2549 data information packets as a means for exchanging product configuration management metadata and product structure relationships with Product Data Management (PDM), Configuration Management (CM), authoring, CITIS, and repository systems.

Resolution Text:

Implement Data Standards. ACMS will read and write MIL-STD-2549 data information packets as a means for exchanging product configuration management metadata, product structure relationships, and documents with Product Data Management (PDM), Configuration Management (CM), authoring, CITIS, and repository systems.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... and product structure relationships with Product Data ... To: ... metadata, product structure relationships, and data with Product Data Explanation: MIL-STD-2549 also provides for the delivery of data.</i>
AMSAA	Gordon Ney	<i>From: ...Implement Data Standards configuration management metadata and product structure relationships with Product Data Management To: ... Implement Data Standards... configuration management metadata, product structure relationships, and product data with Product Data Management Explanation: Highlight that we still want to exchange product data</i>

Justification Text:

Accept with modification to make consistent with definition of product data. Adding product data is potentially too broad. Certain metadata about documents and product structures may not be supported by 2549 DIPs.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5- 7

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

Manage Multiple Formats. ACMS will provide for the management of a wide variety of product data formats in accordance with MIL-STD-2549 -- to include Computer Aided Design (CAD) model formats -- so that government- and contractor-created data can be maintained, located, and used with no loss of data intelligence.

Resolution Text:

Manage Multiple Formats. ACMS will provide for the management of a wide variety of product data formats in accordance with international and industry standards, to include Computer Aided Design (CAD) model formats, so that government- and contractor-created data can be maintained, located, and used with no loss of data intelligence.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... in accordance with MIL-STD-2549 to include Computer Aided Design (CAD) model formats soTo: ... in accordance with MIL-STD-2549, to include Computer Aided Design (CAD) model formats, so Explanation: grammatical</i>
AMSAA	Gordon Ney	<i>From: ...Manage Multiple Formats. management of large variety of product data formats in accordance with MIL-STD-2549--- to include Computer Aided Design To: ... Manage Multiple Formats . management of large variety of product data formats in accordance with international and industry standards--- to include Computer Aided Design Explanation: MIL-STD-2549 does not solely govern how we manage multiple formats.</i>

Justification Text:

Accept AMCOM and AMSAA comments. Note that the AMSAA comment replaces "MIL-STD-2549" with "international and industry standards."

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5- 8

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Operation

Requirement Text:

Automate Product Data Management. ACMS will automate Army product data management functions to include data capture, storage, location, retrieval, access control, and transmittal, as well as configuration management of data, quality control of data, and system administration.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5- 9

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

Manage Army-Controlled Product Structures. ACMS will provide for creating, storing, maintaining, and managing changes to links (relationships) between elements of product structures (for example, parts, components, and assemblies) for which the Army is the Current Document Change Authority (CDCA).

Resolution Text:

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

*From: ... Manage Army-Controlled Product Structures. (CDCA). To: ... Manage Army-Controlled Product Structures. (CDCA), and the Application Authority.
Explanation: Application Authority has veto power over proposed changes.*

Justification Text:

Recommend Rejecting. Refer to 1.2.5-4. Need to distinguish between ACMS responsibilities and AA responsibilities.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5-10

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

Access Contractor-Controlled Product Structures. As a long-term goal, ACMS will provide the ability to find, copy, view, and print product structures when the Army is not the CDCA.

Resolution Text:

Access Contractor-Controlled Product Structures and Product Data. ACMS will provide the ability to find, copy, view, and print product structures and product data when the Army is not the CDCA.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: As a long-term goal, ACMS ... To: ACMS will ... Explanation: Long-term goal not required.</i>
AMSAA	Gordon Ney	<i>(PART 1) From: ... Access Contractor-Controlled Product Structures. As a long term goal, ACMS will provide..... To: ... Access Contractor-Controlled Product Structures. ACMS will provide..... Explanation: For capabilities do not need to separate between short term and long term. (PART 2) From: ... Access Contractor-Controlled Product Structures. As a long-term goal, ACMS will provide when the Army is not the CDCA. To: Delete in its entirety Explanation: Redundant if Application Authority (AA) is added to capability Provide a Single Access and Control Point.</i>

Justification Text:

Accept AMCOM and AMSAA comment to delete "As a long-term goal." Recommend Rejecting AMSAA's comment to delete based on addition of AA to 1.2.5.-4. Also, recommend adding "and Product Data." This is needed for when the Army is not the CDCA. Refer to 1.2.5-4 for rational.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5-11

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

Associate Product Structure Elements With Appropriate Product Data. ACMS will provide for creating, storing, and controlling the associations between product structures and the product data that describe the elements of product structures for which the Army is the CDCA. ACMS will provide the ability to find, copy, view, and print the associations for which the Army is not the CDCA.

Resolution Text:

Associate Product Structure Elements With Appropriate Product Data. ACMS will provide for creating, storing, and controlling the associations between product structure elements and the product data that describe those elements for which the Army is the CDCA. ACMS will provide the ability to find, copy, view, and print the associations for which the Army is not the CDCA.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... the associations between product structures and the product data that describe the elements of product structures for which the Army is the CDCA. To: ... the associations between product structure elements and the product data that describe those elements for which the Army is the CDCA. Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5-12

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Operation

Requirement Text:

Manage Workflow. ACMS will provide for work process definition, routing, status tracking, and performance analyses of modeled processes.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5-13

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

Provide Configuring Capabilities. ACMS will be flexible and customizable in its ability meet the unique information needs of individual MSCs. ACMS will provide system administrator-level tools for configuring ACMS to support information interchange within an Army site in accordance with each site's business processes and product data needs, while providing core information for off-site users. These tools will permit configuring the system without writing source code or recompiling unaffected software modules.

Resolution Text:

Provide Configuring Capabilities. ACMS will be flexible and customizable in its ability to meet the unique information needs of individual MSCs. ACMS will provide system administrator-level tools for configuring ACMS to support information interchange within an Army site in accordance with each site's business processes and product data needs. These tools will permit configuring the system without writing source code or recompiling unaffected software modules.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	<p>(PART 1) From: ... Provide Configuring Capabilities.in its ability meet..... To: ... Provide Configuring Capabilities.in its ability to meet..... Explanation: Editorial clarification (PART 2) From: ... Provide Configuring Capabilities. while providing core information for off-site users. To: ... Provide Configuring Capabilities.while providing information for off-site users. Explanation: Core information is not defined. Delete core or define core information</p>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
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BDM

Jim Cox

From: ... in accordance with each site's business processes and product data needs, while providing core information for off-site users. ... To: ... in accordance with each site's business processes and product data needs. ... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)

Justification Text:

Provide Configuring Capabilities. ACMS will be flexible and customizable in its ability meet the unique Accept AMSAA comment with modifications. No longer need the phrase, "while providing information for off-site users" once "core" is dropped.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5-14

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

Provide Customization and Integration Capabilities. ACMS will be flexible and customizable in its ability meet the unique functional needs of individual MSCs and to interact with other data management systems. ACMS will provide customization and integration tools for tailoring ACMS to extend existing functionality, add new functions, provide new methods for interacting with users, and interface with other data management systems, data authoring systems, and viewing systems.

Resolution Text:

Provide Customization and Integration Capabilities. ACMS will be flexible and customizable in its ability to meet the unique functional needs of individual MSCs and to interact with other data management systems. ACMS will provide customization and integration tools for tailoring ACMS to extend existing functionality, add new functions, provide new methods for interacting with users, and interface with other data management systems, data authoring systems, and viewing systems.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... customizable in its ability meet the ... To: ... customizable in its ability to meet Explanation: Grammatical</i>
AMSAA	Gordon Ney	<i>From: ...Provide Customization and Integration Capabilities.customizable in its ability meet the unique functional needs of individual.... To: ...Provide Customization and Integration Capabilities.customizable in its ability to meet the unique functional needs of individual..... Explanation: Editorial clarification</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.5-15

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS Operation

Requirement Text:

Specific applications of ACMS are discussed further in the appendices. Appendix A, ACMS Concept Overview, provides information relative to the nature and roles of the ACMS. Appendix B, ACMS Support of Weapon Systems and Data Life Cycles, and Appendix C, ACMS Support to Selected Business Processes, provide information relative to the use of the ACMS.

Resolution Text:

Specific applications of ACMS are discussed further in the appendices. Appendix A, ACMS Concept Overview, provides information relative to the nature and roles of the ACMS. Appendix B, ACMS Support of Army Product and Data Life Cycles, and Appendix C, ACMS Support to Selected Business Processes, provide information relative to the use of the ACMS.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... ACMS Support of Weapon Systems and To: ... ACMS Support of Army Products and Explanation: See Para 1.2.4</i>

Justification Text:

Accept with modification. "Product" should be singular not plural. Must also change Appendix B title and any other references.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Versioning and Revisioning

Requirement Text:

The scope of ACMS encompasses both configuration and product data management. The product data management and the MIL-STD-2549 configuration management communities use different schemes for managing changes to data.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... To: ... Remove 1.2.6 Versioning and Revisioning Explanation: This area needs a separate task force or subset task force to define the Army's position on versioning and revisioning with later modification of this performance specification to include the outcome. This discussion does not belong in the performance spec.</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	<i>From: ...Versioning and Revisioning. To: ...Task to rewrite for BDM. Explanation: If what we need is a two level release scheme then that is the way it should be written and we should seek to change MIL-STD-2549.</i>

Justification Text:

Recommend discussing this topic at the meeting. It is important that the reader understand how this issue is handled in this document. If the document is to be written to a 2-tier scheme, all references MIL-STD-2549 must be qualified "augmented to include 2-tier revision and version scheme."

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6- 1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

The product data management community manages data changes using a two-level release scheme. For example, a part design is at revision B when released, and as the design is revised, revision B goes through many intermediate versions (1, 2, 3, 4, etc.) until it is approved and a new revision C is finally released.

Resolution Text:

The product data management community manages data changes using a two-tiered release scheme. For example, a part design is at revision B when released, and as the design is revised, revision B goes through many intermediate versions (1, 2, 3, 4, etc.) until it is approved and a new revision C is finally released.

Justification Text:

Changed "two-level" to "two-tiered" for consistency.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6- 2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

The MIL-STD-2549 configuration management community manages data changes using a one-level scheme. MIL-STD-2549 interface standard describes the configuration management processes and data elements that implement this one-level scheme. This interface standard defines documents, document representations, and files. Documents may have multiple document representations (for example, a WordPerfect representation and a Word representation). Documents and document representations have revisions, but not versions (except MIL-STD-2549 calls software revisions "software versions"). Files make up document representations, have date and time stamps in lieu of a version identifier, and have no revision or version identifier.

Resolution Text:

The MIL-STD-2549 configuration management community manages data changes using a one-tiered scheme. MIL-STD-2549 interface standard describes the configuration management processes and data elements that implement this one-tiered scheme. This interface standard defines documents, document representations, and files. Documents may have multiple document representations (for example, a WordPerfect representation and a Word representation). Documents and document representations have revisions, but not versions (except MIL-STD-2549 calls software revisions "software versions"). Files make up document representations, have date and time stamps in lieu of a version identifier, and have no revision or version identifier.

Justification Text:

Changed "one-level" to "one-tiered" for consistency.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6- 3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

Since MIL-STD-2549 supports a one-level scheme, this performance specification defines requirements for a one-level release scheme based on revisions. The need to manage incremental changes to documents must be handled through business rules and the way in which vendors implement their MIL-STD-2549 interface capability.

Resolution Text:

Since MIL-STD-2549 supports a one-tiered scheme, this performance specification defines requirements for a one-tiered release scheme based on revisions. The need to manage incremental changes to documents must be handled through business rules and the way in which vendors implement their MIL-STD-2549 interface capability.

Justification Text:

Changed "one-level" to "one-tiered" for consistency.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6- 4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

The new business rules will constrain how the Army uses the release indicator, but this is necessary if PDM vendors are to build MIL-STD-2549 interfaces that accommodate the single tiered system defined by MIL-STD-2549. The following represents a candidate set of business rules that the Army might adopt:

Resolution Text:

The new business rules will constrain how the Army uses the release indicator, but this is necessary if PDM vendors are to build MIL-STD-2549 interfaces that accommodate the one-tiered scheme defined by MIL-STD-2549. The following represents a candidate set of business rules that the Army might adopt:

Justification Text:

Changed "single tiered system" to "one-tiered scheme" for consistency.

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6- 5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

Document revisions and document representation revisions must uniquely identify incremental changes to data.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6- 6

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

Document revisions and document representation revisions must increment with each change in the data:

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6- 7

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

Files may not exist in ACMS without a document representation.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6- 8

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

Any time a file changes, the document representation revision must also increment.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6- 9

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

Any time a document representation revision is incremented, the document revision must also increment.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6-10

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

Some document revisions and document representation revisions may never be released.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6-11

Source 1:

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: <null>

Paragraph #: <null>

Note: <null>

Note: <null>

Category:

Versioning and Revisioning

Requirement Text:

In other words, to uniquely specify incremental changes with the revision indicator, it is necessary that the Army accept that the released revisions may not follow one another in a continuous, unbroken sequence. Revision 1 through 5 (or A through E) may never be released. Revision 6 (F) might be formally approved and released. Revisions 7 through 10 (G through J) might represent incremental changes to Revision 6, but not be released. Assuming the data has sufficiently matured, revision 11 (K) might go through a formal review process and be released. As a result, the released revisions of the document are F and K.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 1.2.6-12

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Versioning and Revisioning

Requirement Text:

These business rules describe an emulation of the two tiered process for tracking changed data within a one tiered system as defined by MIL-STD-2549. The one tiered system can support tracking incremental changes if the Army always increments the revision indicator with each change and if the Army is willing to accept revision values that skip between releases.

Resolution Text:

These business rules describe an emulation of the two-tiered scheme for tracking changed data within a one-tiered scheme as defined by MIL-STD-2549. The one-tiered scheme can support tracking incremental changes if the Army always increments the revision indicator with each change and if the Army is willing to accept revision values that skip between releases.

Justification Text:

Changed to "one-tiered scheme" for consistency.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

APPLICABLE DOCUMENTS

Requirement Text:

Applicable Documents

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

General

Requirement Text:

This section specifies the documents listed in Sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in Sections 3 and 4 of this specification, whether or not they are listed.

Resolution Text:

The documents listed in this section are specified in Sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements documents cited in Sections 3 and 4 of this specification, whether or not they are listed.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... the documents listed in Sections 3 and 4 To: ... the documents required in Sections 3 and 4 Explanation:</i>

Justification Text:

Accept with modification. We apparently edited the required language at some point. The resolution text is now taken directly from MIL-STD-961D. The only change is that Secitons is capitalized above when refering specifically to Sections 3 and 4.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Government Documents

Requirement Text:

Government Documents

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.2.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Specifications, Standards, and Handbooks

Requirement Text:

The following specifications, standards, and handbooks form a part of this document to the extent specified herein. The revisions of these documents are those listed below.

Resolution Text:

The following standards form a part of this document to the extent specified herein. The revisions of these documents are listed below.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: The following specifications, standards, and handbooks form a part of this document to the extent specified herein. The revisions of these documents are those listed below. To: The following standard forms a part of this document to the extent specified herein. The revision of this document is listed below. Explanation: The MIL-HDBK-61 is not referenced in Section 3 or 4 and must be referenced in order to be cited here.

Justification Text:

Accept AMCOM comments with modification for differences.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.2.1-1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Specifications, Standards, and Handbooks

Requirement Text:

DEPARTMENT OF DEFENSE STANDARDS MIL-STD-2549- Configuration Management Data Interface, 30 June 1997 and Errata list dated November 1997

Resolution Text:

See 98feb23/perfspec.doc, paragraph 2.2.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

(PART 1)...Change as follows: STANDARDS DEPARTMENT OF
DEFENSE MIL-STD-2549 .. (PART 2)...From: ...New TextTo: ADD :
MIL-STD-881 – Work Breakdown Structures for Defense Materiel Items, dated 25 March
1993Explanation:

Justification Text:

Accept. Refer to 98feb23/perfspec.doc for our interpretation of this and the next two comments. We assume the "Standards" reference in this comment referred to editing the header 2.2.1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.2.1-2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Specifications, Standards, and Handbooks

Requirement Text:

DEPARTMENT OF DEFENSE HANDBOOKS MIL-HDBK-61 Configuration Management Guidance, 30 September 1997

Resolution Text:

See 98feb23/perfspec.doc, paragraph 2.2.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: ... To: Remove the reference and address for MIL-HDBK-61.
Explanation: The MIL-HDBK-61 is not referenced in Section 3 or 4 and must be
referenced in order to be cited here.*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.2.1-3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Specifications, Standards, and Handbooks

Requirement Text:

(Unless otherwise indicated, copies of the above specifications, standards, and handbooks are available from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

Resolution Text:

(Unless otherwise indicated, copies of the above standards are available from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

Justification Text:

Edited for consistency with comment on 2.2.1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.2.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Other Government Documents, Drawings, and Publications

Requirement Text:

No other Government documents, drawings, and publications form a part of this document.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Non-Government Publications

Requirement Text:

The following document(s) form a part of this document to the extent specified herein. The revisions of these documents are those listed below.

Resolution Text:

No non-Government publications form a part of this document.

Justification Text:

Modified to capture full intent of comment attached to 2.3-1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.3-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Non-Government Publications

Requirement Text:

EIA/IS-649 Electronics Industry Association's National Consensus Standard for Configuration Management, Revision 95 (August 1995)

Resolution Text:

Delete

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: ... To: Remove the complete paragraph reference to EIA/IS-649.
Explanation: The EIA/IS-649 is not referenced in Section 3 or 4 and must be
referenced in order to be cited here.*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.3-2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Non-Government Publications

Requirement Text:

(Requests for copies should be addressed to Global Engineering Documents, 15 Inverness Way East, Englewood, CO 80112.)

Resolution Text:

Delete

Justification Text:

Delete to capture full intent of comment attached to 2.3-1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Order of Precedence

Requirement Text:

In the event of a conflict between the text of this specification and the references cited herein (except for associated detail specifications, specification sheets, or MS standards), the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained. The order of precedence of documents shall be as follows:

Resolution Text:

In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained. The order of precedence of documents shall be as follows:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... cited herein (except for associated detail specifications, specification sheets, or MS standards), the To: ... cited herein, the text of this Explanation: No specs, spec sheets are cited in this spec.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.4-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Order of Precedence

Requirement Text:

1) The procurement contract.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.4-2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Order of Precedence

Requirement Text:

2) The requirements contained in this specification.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 2.4-3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Order of Precedence

Requirement Text:

3) The requirements contained in documents referenced in this specification.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Requirements

Requirement Text:

This section states ACMS performance requirements. Paragraph numbers are assigned to each requirement to support testing and traceability. The ACMS performance requirements define what operational functions the system must be able to perform, what interfaces must be provided, what ownership and support requirements must be met, and what environmental requirements will constrain ACMS operations. The requirements in this section are intended to be tailored to each local ACMS implementation. They also are intended to leave enough latitude that individual vendors may respond with their solutions as to how to best meet the requirements. Lastly, these performance requirements were written to be used as a basis for selecting a small number of qualified products to then be evaluated during a demonstration period. These requirements and the demonstration results would form the basis for developing final acceptance criteria.

Resolution Text:

This section states ACMS performance requirements. Paragraph numbers are assigned to each requirement to support testing and traceability. The ACMS performance requirements define what operational functions the system must be able to perform, what interfaces must be provided, what ownership and support requirements must be met, and what environmental requirements will constrain ACMS operations. The requirements in this section are intended to be tailored to each local ACMS implementation. They also are intended to leave enough latitude that individual vendors may respond with their solutions as to how to best meet the requirements. Lastly, these performance requirements were written to be used as a basis for selecting a small number of qualified products to then be evaluated during a demonstration period.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	From: To: Remove the last sentence. Explanation: Implementation not performance.

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
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CIMData

Alan Mendelv

(PART 1)...From: ...The requirements in this section are intended to be tailored for each local ACMS implementation. To: The requirements in this section are intended to be prioritized by each local ACMS implementation to meet defined needs and time frames. Only mission critical requirements should be justifiable reasons for significant changes to these specifications. Explanation: Local commands should focus on the prioritizing the defined ACMS specifications based on their needs rather than customizing or expanding them. Only mission critical requirements such as, critical functionality needs, changes to best practices adopted by the Army and applicable technology evolutions should be justifiable reasons for performance specification changes. Without close control of the base data model (standard metadata) and enterprise processes used by each command the Army as a whole will not be able to ensure and maintain an integrated ACMS environment. (PART 2)...From: ... These requirements and the demonstration results would form the basis for developing final acceptance criteria.... To: ... These requirements will form the basis for developing final acceptance criteria... Explanation: Using demonstration results as an input into the creation of a final acceptance criteria has the tendency to bias the criteria towards the product(s) that look the best and/or have the best demonstration personnel. The products must first meet the selection criteria and then they must provide that they do through the verification requirements, some of which are demonstration results.

Justification Text:

Accept AMCOM comment. Reject CIMdata comments. AMCOM's comment makes CIMdata's PART 2 comment not applicable. CIMdata's PART 1 comment and an earlier comment against 1.2.4 are good comments, but they are rejected based on the MSCs' desires to implement and tailor their own ACMS implementations. CIMdata's points are valid, however. The more degrees of freedom the individual commands are given now, the greater the likelihood that the Army will be trying to do this again in 3 - 10 years.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Operating Requirements

Requirement Text:

This section describes the functional features of the ACMS as seen from a user's point of view. It communicates a proposed ACMS in terms of the user needs it will fulfill, its relationship to existing systems or procedures, and the ways it will be used.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Operating Requirements To: System Requirements Explanation:</i>

Justification Text:

Defer to Task Force. Operating Requirements was specified by an Army memo describing how to organize performance specs. The memo specified four categories: Operating Requirements, Interface Requirements, Ownership and Support Requirements, and Operating Environment Requirements. All of these are system requirements.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Product Data Management Requirements

Requirement Text:

Product Data Management Requirements

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Data Vaulting Requirements

Requirement Text:

Data Vaulting Requirements

Resolution Text:

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: Data Vaulting Requirements To: Data Requirements Explanation:

Justification Text:

Recommend Rejecting the comment. If the Task Force wants to delete "Vaulting," we recommend the following alternative. Eliminate 3.1.1.1 as a header and elevate all its children to that level. Also consider adding "Product" to 3.1.1.1.1 and 3.1.1.1.4 (Product Data Storage Requirements and Product Data Locating Requirements).

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.1.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Secure Data Storage

Requirement Text:

ACMS shall provide for secure storage of product data (see Appendix D) in accordance with defined access control permissions and rules (see Access Control Requirements and User Authorization and Management Requirements). Secure storage is defined as the ability to preclude stored information from being viewed, reused, updated, or deleted without invoking system rules.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.1.2

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.2.1
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Store Product Data

Requirement Text:

ACMS shall provide the ability to store product data, administrative data, references to data external to ACMS, records in an associated database, and electronic displays such as Engineering Change Proposal (ECPs).

Resolution Text:

ACMS shall provide the ability to store CM and non-CM controlled product and administrative data in a single and distributed vault.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ACMS shall provide the ability to store product data, administrative data, references to data external to ACMS, records in an associated database, and electronic displays such as Engineering Change Proposals (ECPs). To: ACMS shall provide the ability to store CM and non-CM controlled product and administrative data in a single and distributed vault. Explanation:

MSC:

Reviewer:

Comments:

AMSAA	Gordon Ney	<p><i>From: ...and electronic displays such as Engineering Change Proposal (ECPs). To:and engineering change action displays. Explanation: The definitions of engineering change display, and change action in the glossary are not used consistently within the body of the document. The term engineering change action is used extensively and never defined. The term Engineering Change Proposal is used several times and is not defined. The term electronic displays such as Engineering Change Proposal (ECPs) is used, and is another inconsistent use of terms. Suggest that we use the terms consistently. One approach would be to use the following definitions and apply consistently through out the document. It would be nice to use definitions with an existing source, like 2549, 61 or 649. ECP and Engineering Change are defined in MIL-STD-2549. Memory fades, I thought that we were going to use the term engineering change action as a defined term to address what you have under change action. Is there a difference between an engineering change action and a change action? If you can come up with a better approach then use it, just be consistent in the application of the approach. Engineering Change action Modification of a product, the data and metadata related to the product. Engineering Change action examples include engineering change proposals, and deviations. Note: deletion of waivers. Engineering Change Action Display A predefined electronic display that represents a form and is created in ACMS to facilitate description and review of an engineering change action. Engineering Change Proposal (ECP) The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval. Engineering Change A change to the current approve configuration documentation of a configured item.</i></p>
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<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
CIMData	Alan Mendel	<p><i>From: ... an associated database, and electronic displays such as Engineering ChangeProposal (ECPs). To: ... an associated database, and electronic displays (scanned images) such as Engineering Change Proposal (ECPs). Explanation: "electronic displays" is not a common description within the commercial PDM industry.</i></p>

Justification Text:

Accept with questions. 1) Do we really want to drop references to data external to ACMS? 2) What is specifically ment by single and distributed vault? AMSAA's comment becomes not applicable, but expect to address their issue later. CIMdata's comment changes what is ment by electronic displays. Again, this will be addressed later.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.1.3

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.2.3
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Store CM-Controlled Product Data

Requirement Text:

ACMS shall allow the user to store product data which is not under configuration control in either a vault that does or a vault that does not overwrite data and, for product data that is under CM control, a vault that does not allow the user to overwrite data.

Resolution Text:

ACMS shall allow the user to store configuration controlled product data in a vault that does not allow the user to overwrite data.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... To: Rewording this para --- comments to follow. Explanation:</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Margot Delapp	<i>From: ... ACMS shall allow the user to store product data which is not under configuration control in either a vault that does or a vault that does not overwrite data and, for product data that is under CM control, a vault that does not allow the user to overwrite data. To: ... ACMS shall allow the user to store configuration controlled product data in a vault that does not allow the user to overwrite data. Explanation: Splitting out requirement for non-configuration controlled data into a new requirement. See 3.1.1.1.1.4. (action #56)</i>

Justification Text:

Accept BDM comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.1.4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Store Non-CM Controlled Product Data

Requirement Text:

ACMS shall allow the user to choose whether to store non-configuration controlled product data in a vault that does not allow the user to overwrite data.

Resolution Text:

ACMS shall allow the user to choose whether to store non-configuration controlled product data in a vault that does not overwrite data or in a vault that does overwrite data.

COMMENTS:

MSC:

BDM

Reviewer:

Margot Delapp

Comments:

From: ...NEW REQUIREMENT To: ACMS shall allow the user to choose whether to store non-configuration controlled product data in a vault that does not overwrite data or in a vault that does overwrite data. Explanation: Separates the original requirement, 3.1.1.1.1.3, into two pieces: one for configuration controlled data and one for non-configuration controlled data. Intent is to reduce confusion. (action #56)

Justification Text:

Accept BDM comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2. 1

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.3.1
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Check Identity and Authorizations

Requirement Text:

ACMS shall provide for checking the identity and authorizations of users and restrict access as defined by access control permissions and rules (see User Authorization and Management Requirements).

Resolution Text:

ACMS shall provide for checking the identity and authorizations of users and restrict access as defined by access control permissions and rules (see User Authorization and Management Requirements).

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Check Identify and Authorizations To: Check Identity and Authorizations Explanation:</i>
AMSAA	Gordon Ney	<i>From: ...Check Identify and Authorizations To: ... Check Identity and Authorizations Explanation: Spelling correction . ACMS shall provide for checking the identity....</i>

Justification Text:

Accept. Change is to the title, not the requirement text.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2. 2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.3.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Suppress Unauthorized Functions

Requirement Text:

ACMS shall suppress functions not currently available to a user due to access restrictions. For example, an administrative menu tree may be accessible (e.g., highlighted and active) only to users with administrator permission.

Resolution Text:

ACMS shall suppress functions not available to a user due to access restrictions. For example, an administrative menu tree may be accessible (e.g., highlighted and active) only to users with administrator permission.

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: ... not currently available To: ... not available ... Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2. 3

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.3.3
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Provide User Feedback

Requirement Text:

ACMS shall provide a message box to notify a user that has been denied access to controlled product data or to restricted functions.

Resolution Text:

ACMS shall provide a message box that notifies a user that the user has been denied access to controlled product data or to restricted functions.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: ... ACMS shall provide a message box to notify a user that has been denied access to controlled product data or to restricted functions. To: ... ACMS shall provide a message box that notifies a user that the user has been denied access to controlled product data or to restricted functions. Explanation: Editorial clarification

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2. 4

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.3.4
Note: I

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Provide Rule-Based Access Control

Requirement Text:

Rules shall be based on user identity and defined needs, user group, user role, file type, or document release status.

Resolution Text:

Delete

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Rules shall be based on user ... To: ACMS shall provide the capability to create rules based on user identity Explanation: Needs this to make it a requirement and not just a statement.</i>
AMSAA	Gordon Ney	<i>From: ...Rules shall be based on user identity and defined needs, user group, user role, file type or document release status. To: ... ACMS shall provide the capability to establish rules based on user identity and defined needs, user group, user role, file type, or document release status. Explanation: Consistent expression of ACMS requirements.</i>
<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>

ACMS Requirements Review

19-Feb-98

BDM	Sandy Santa Cruz	<i>From: ... To: ... Delete Explanation: This requirement is covered by the combination of 3.1.1.1.2.1 and the 3.1.1.7.1 series of requirements (restrict access and user, role, and group assignments). Restricting access by file type and release status would be implemented by defining a group based on, for example, program and data properties. Note: Groups are defined with the intention of restricting access by functions/programs and data types. Roles are defined with the intention of restricting access by data operations (i.e., data manipulation and access capabilities available to users assigned to the role). Groups probably will be implemented with many layers of subgroups to permit restricting access by both functions/programs and data types. Note the changes made to 3.1.1.7.1.7 and 3.1.1.7.1.9 to help clarify what is intended. (Action # 83)</i>
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Justification Text:

Delete per BDM comment. Believe this is covered by other requirements. Otherwise, accept the AMCOM comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2. 5

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.3.6.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Check-In Capability

Requirement Text:

ACMS shall provide the capability to check-in product data from a user's workspace to the vault in accordance with user or file permissions in such a way that created, modified, or promoted product data is placed under the security, access, change, and release control of ACMS.

Resolution Text:

ACMS shall provide the capability to check-in data from a user's workspace to the vault in accordance with user or file permissions in such a way that created, modified, or promoted product data is placed under the security, access, change, and release control of ACMS.

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: ... check-in product data ... To: ... check-in data Explanation:

Justification Text:

Accept AMCOM change or modify to "check-in product and administrative data." What should we do about "promoted product data?"

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2. 6

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.3.6.2
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Partition Vaults

Requirement Text:

ACMS shall allow the system administrator to divide vaults into logical partitions.

Resolution Text:

Delete

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... To: Remove this requirement. Explanation:</i>
<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
CIMData	Alan Mendel	<i>From: ... ACMS shall allow the system administrator to divide vaults into logical partitions. To: ... ACMS shall allow the system administrator to divide vaults into logical partitions. ACMS shall also allow the system administrator to define and maintain different security rules for each of these logical partitions. Explanation: Allows for further flexibility when implementing the system at a site.</i>

Justification Text:

Accept AMCOM comment. Note: The requirements pertaining to check-in without requiring the user to have knowledge of the data's location went through several iterations at the STRICOM meeting. BDM was assigned an action to try and write the requirements with less of an implementation flavor. To accomplish this, BDM introduced the notion of "logical partitions" and made the changes presented in the draft ACMS Perf Spec. In the glossary, a "logical partition" is defined as, "A conceptual division of a data vault." At the STRICOM meeting, we were under the impression that the goal of this set of requirements was to let the system administrator partition vaults, have data routed to default partitions, and allow users to override default routings. A related conceptual problem we struggled with was whether the Task Force viewed ACMS controlled storage areas as one big vault or a set of separate vaults. We tried to write the requirements, so as to not preclude either view of ACMS controlled storage.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2. 7

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.3.6.3
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Accept Default Destination

Requirement Text:

ACMS shall provide the capability to check product data into a default logical partition without requiring the user to specify a logical partition.

Resolution Text:

ACMS shall provide the capability to check data into a default location (physical location or logical partition) without requiring the user to specify a location. The system will automatically determine the proper location based upon one or more criteria such as the following: user ID, client locations, project, data type, and/or server installation.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ...to check product data into a default logical partition without requiring the user to specify a logical partition . To: ... to check data into a default location (physical location or logical partition) without requiring the user to specify a location. Explanation: Agreement from STRICOM meeting.</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
CIMData	Alan Mendel	<i>From: ...without requiring the user to specify a logical partition. To: ...without requiring the user to specify a logical partition. The system will automatically determine the proper location based upon at least one of the following criteria: user ID, client locations, project, data type, server installation, etc. Explanation: This allows the "default" location to be determined with some amount of intelligence.</i>

Justification Text:

Accept AMCOM comment. See explanation on 3.1.1.1.2.6. Add CIMdata's suggestion with a slight modification. Note: Accepting AMCOM's comment includes reverting back to "data" from "product data." At the STRICOM meeting, we were repeatedly challenged to specify "what data." After reviewing the comments and considering the action to use "document" in the MIL-STD-2549 sense, we adopted the notion that "product data" = "metadata" + "documents" in the MIL-STD-2549 sense. We explained in Section 1 and defined "product data" to mean this in the Glossary. As a result, we tended to use "product data" as a general term for "data."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2. 8

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.3.6.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Permit Path Override

Requirement Text:

ACMS shall allow the user to override the system's default check-in destination and specify a particular logical partition for the check-in.

Resolution Text:

ACMS shall allow the user to override the system's default and specify a particular location for the check-in.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: ... default check-in destination and specify a particular logical partition for the check-in. To: ... default and specify a particular location for the check-in.
Explanation: Agreement from STRICOM meeting.*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2. 9

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.3.7.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Lock Checked Out Product Data

Requirement Text:

ACMS shall provide the capability to check-out product data such that it is locked and prevents multiple users from attempting to modify the product data simultaneously.

Resolution Text:

ACMS shall provide the capability to check-out data such that it is locked and prevents multiple users from modifying the data simultaneously.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... check-out product data such that it is locked and prevents multiple users from attempting to modify the product data simultaneously. To: ... check-out data such that it is locked and prevents multiple users from modifying the data simultaneously. Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2.10

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.3.7.3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Permit Copying Checked-Out Product Data

Requirement Text:

ACMS shall allow users to view and modify a copy of the product data which has been checked-out by another user. This would create a separate instance of the product data.

Resolution Text:

ACMS shall allow users to copy and modify data which has been checked-out by another user. This would create a separate instance of the data.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... users to view and modify a copy of the product data which has been checked-out by another user. This would create a separate instance of the product data. To: ... users to copy and modify data which has been checked-out by another user. This would create a separate instance of the data. Explanation:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... This would create a separate instance of the product data. To: ... This would create a new instance of product data that can be linked to the original product data from which it was copied. Explanation: "separate instance" can imply a version and/or revision of the product data from which the copy was made.

Justification Text:

Accept AMCOM comment. Reject CIMdata comment pending an explanation of what specifically is ment by, "linked to the original product data from which it was copied."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2.11

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.3.7.5

Paragraph #: <null>

Note: D

Note: <null>

Category:

Identify Check-Out User

Requirement Text:

ACMS shall provide the ability to view which user has checked-out product data from the vault.

Resolution Text:

ACMS shall provide the ability to identify which user has checked-out data from the vault.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

(PART 1)...From: Identify Who Is Using To: Identify Check Out User
Explanation: (PART 2)...From: ... ability to view which user ... To: ... ability
to identify which user ... Explanation:

Justification Text:

Accept AMCOM comment with modification. Replaced "product data" with "data" to be consistent with earlier AMCOM comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2.12

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.3.7.6

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Location-Independent Check-Out

Requirement Text:

ACMS shall allow a user to check product data out from a logical partition of a vault without requiring the user to specify the product data's location.

Resolution Text:

ACMS shall allow a user to check data out from a location (physical location or logical partition) without requiring the user to specify the data's location.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ...data out from a logical partition of a vault without requiring the user to specify the product data's location. To: ... data out from a location (physical location or logical partition) without requiring the user to specify the data's location. Explanation: Agreement from STRICOM meeting.

Justification Text:

Accept AMCOM comment with modification. Replaced "product data" with "data" to be consistent with earlier AMCOM comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2.13

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.3.7.6.b
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Specify Check-Out Location

Requirement Text:

ACMS shall allow the user to specify a particular logical partition from which product data is to be checked out.

Resolution Text:

Delete

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ...To: Remove requirement. Explanation: The user does not have a choice. They have to check the data out from wherever it resides.</i>
AMSAA	Gordon Ney	<i>From: ...ACMS shall allow the user to specify a particular logical partition from which product data is to be checked out. To: ... Delete in its entirety Explanation: Does this make sense? Once the document is stored, does one have a choice as to where to look for it. Perhaps we should "change check out" to "check in".</i>

Justification Text:

Accept AMCOM's and AMSAA's comments. I can think of one case where one might want this, but it violates the notion of "one data, one location." We seriously considered deleting this ourselves.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.2.14

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.3.7.7

Paragraph #: <null>

Note: D

Note: <null>

Category:

Cancel Check-Out

Requirement Text:

ACMS shall provide the capability to cancel a "check-out" without modifying the product data.

Resolution Text:

ACMS shall provide the capability to cancel a "check-out" without modifying the data.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: ...without modifying the product data. To: ... without modifying the data.
Explanation:*

Justification Text:

Accept AMCOM comment. Note: At the STRICOM meeting, we were repeatedly challenged to specify "what data." After reviewing the comments and considering the action to use "document" in the MIL-STD-2549 sense, we adopted the notion that "product data" = "metadata" + "documents" in the MIL-STD-2549 sense. We explained in Section 1 and defined "product data" to mean this in the Glossary. As a result, we tended to use "product data" as a general term for "data."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.3.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.4.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide for Metadata Maintenance

Requirement Text:

ACMS shall provide for updating metadata so that the effects of changes, release levels, approval authorizations, and other controls are implemented.

Resolution Text:

Move to 3.1.1.1.5.3 (new number). Change the text to read, "ACMS shall provide the capability to update metadata." Change the title of 3.1.1.1.5 to "Release and Metadata Management Requirements."

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ...Question for Jim Rick - need clarification what is functional requirement? If this stays in should go with 3.1.1.3.1 To: ... Explanation:

Justification Text:

This was intended to be a rather simple minded requirement. Just want to make sure metadata can be updated, so that changes can be monitored. "Implemented" was the wrong word and the information at the end of the requirement is extraneous. Requirement 3.1.1.1.6.1, Record Audit History, provides the capability to monitor the changes. With 3.1.1.1.3.2 being deleted, we recommend moving 3.1.1.1.3.1 to 3.1.1.1.5.3 (new number) and changing the title of 3.1.1.1.5 to "Metadata and Release Management Requirements." This puts it close to 3.1.1.1.6.1 (P1.8.1) which the next comment identifies as covering 3.1.1.1.3.2, the sibling of 3.1.1.1.3.1. Have I made this confusing enough. We expect that this is where AMCOM ment to move the requirement, instead of 3.1.1.3.1, Product Structure Management Requirements. Overall, we see this as a very good catch by AMCOM. Also note that the numbers will change when 3.1.1.1.3, Metadata Management Requirements, goes away.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.3.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.4.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Track Metadata Status and Changes

Requirement Text:

ACMS shall provide for examining metadata to determine its current status and to examine the history of changes to metadata elements.

Resolution Text:

Delete

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: To: Remove this requirement. Explanation: Already covered in P1.8.1, P3.1.1, and P1.5.2.2

Justification Text:

Accept AMCOM comment. Agree that P1.8.1 (3.1.1.1.6.1, Record Audit History) and P1.5.2.2 (3.1.1.1.4.14, Query Metadata) cover 3.1.1.1.3.2. Not quite sure how P3.1.1 (3.1.1.3.1.1, Create and associate product structure elements) relates, but that is not important.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 1

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.5.2.1
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Navigate Product Structures

Requirement Text:

ACMS shall provide the capability to search and navigate product structures hierarchically for product data through on-screen graphical representations.

Resolution Text:

ACMS shall provide the capability to locate product data by navigating product structures hierarchically through on-screen graphical representations.

COMMENTS:

MSC:

BDM

Reviewer:

Margot Delapp

Comments:

From: ACMS shall provide the capability to search and navigate product structures hierarchically for product data through on-screen graphical representations. To: ACMS shall provide the capability to locate product data by navigating product structures hierarchically through on-screen graphical representations. Explanation: Clarify differences between this requirement and 3.1.1.1.4.2 (P1.5.4). (action #68 and action #70)

Justification Text:

Accept BDM comment. Also change requirement title from "Search and Navigate Product Structures" to "Navigate Product Structures," and added a requirement "Search Product Structures."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 1-1

Source 1:

Source 2:

<null>

Source 1 ID:

<null>

Source 2 ID:

<null>

Paragraph #:

<null>

Paragraph #:

<null>

Note:

<null>

Note:

<null>

Category:

Search Product Structures

Requirement Text:

Resolution Text:

ACMS shall provide the capability to locate product data by searching a product structure . Searching a product structure involves querying product structure element attributes.

Justification Text:

Added this new requirement because the comments against 3.1.1.1.4.3 suggest there may be confusion as to what is ment by searching a product structure.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 2

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.5.4
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

View Product Configuration

Requirement Text:

ACMS shall provide a means for viewing a product's configuration via the links established between product structure elements. This in turn is used to find a specific item within the product's configuration. In other words, navigation uses the links as a means to view a product configuration which in turn is used to find a specific item within the product's configuration.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Search and Navigate Product Structure To: Search and Navigate Product Structure Via Links Explanation: Para 3.1.1.1.4.1 has same title but different function.</i>
BDM	Margot Delapp	<i>From: Title: Search and Navigate Product Structure To: Title: View Product Configuration Explanation: This requirement is different from P1.5.2.1 which has the title "Search and Navigate Product Structures." (action #68 & #70)</i>

Justification Text:

Accept BDM comment. We named this requirement the same as the previous, thinking there was overlap and wanting to highlight that misconception. On reexamination, we realized there was no overlap. With the change to 3.1.1.1.4.1, we believe the confusion is gone. We believe the BDM suggested title is clearer than the one proposed by AMCOM.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 3

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P3.2.0.1
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Provide Enterprise-Wide Navigation

Requirement Text:

ACMS shall provide the capability to locate, display, search, and navigate product structures which are stored by ACMS sites that are not the user's host ACMS site.

Resolution Text:

ACMS shall provide to authorized users the capability to search and navigate product structures and to locate, search, retrieve, and display product data which are stored by ACMS sites that are not the user's host ACMS site.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... to locate, display, search, and navigate product structures which are stored... To: ... to navigate product structures and to locate, search, and display product data which are stored Explanation:</i>
CIMData	Alan Mendel	<i>From: ... ACMS shall provide the capability to locate... To: ... ACMS shall provide to authorized users the capability to locate... Explanation: Accessing enterprise and inter-enterprise systems must always be closely controlled.</i>

Justification Text:

Accept CIMdata comment. We are also showing the AMCOM comment to combine this requirement and the next two with two small modifications (search and retrieve). To really be complete and clear, the following alternative would be needed: "ACMS shall provide to authorized users the capability to search and navigate product structures, to locate product data via metadata queries and/or product structure navigation, and to retrieve and display product data for product structures and product data which are stored by ACMS sites that are not the user's host ACMS site." Instead, we recommend rejecting the AMCOM comment, not combining the three requirements, leaving 3.1.1.1.4.3 as originally stated, and making two small changes to 3.1.1.1.4.5 and 3.1.1.1.4.6.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 4

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.2.0.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Enterprise-Wide Product Data Location

Requirement Text:

ACMS shall provide the capability to locate product data which are stored by ACMS sites that are not the user's host ACMS site.

Resolution Text:

Delete

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: ... To: Remove this requirement. Explanation: Covered in Para 3.1.1.1.4.3 as modified.

MSC:

Reviewer:

Comments:

CIMData

Alan Mendel

From: ... ACMS shall provide the capability to locate... To: ... ACMS shall provide to authorized users the capability to locate ... Explanation: Accessing enterprise and inter-enterprise systems must always be closely controlled.

Justification Text:

We are showing AMCOM's comment as accepted, but recommend reconsidering given the explanation provided on 3.1.1.1.4.3. If the AMCOM comment is rejected, we recommend the following changes to the originally stated requirement: "ACMS shall provide to authorized users the capability to locate product data which are stored by ACMS sites that are not the user's host ACMS site. Locating product data is accomplished by querying metadata and/or navigating product structures.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 5

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.2.0.3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Enterprise-Wide Product Data Retrieval

Requirement Text:

ACMS shall provide the capability to retrieve product data which are stored by ACMS sites that are not the user's host ACMS site.

Resolution Text:

Delete

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... To: Remove this requirement. Explanation: Covered in Para 3.1.1.1.4.3 as modified.

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... ACMS shall provide the capability to retrieve... To: ... ACMS shall provide to authorized users the capability to retrieve ... Explanation: Accessing enterprise and inter-enterprise systems must always be closely controlled.

Justification Text:

We are showing AMCOM's comment as accepted, but recommend reconsidering given the explanation provided on 3.1.1.1.4.3. If the AMCOM comment is rejected, we recommend the following changes to the originally stated requirement: "ACMS shall provide to authorized users the capability to retrieve and display product data which are stored by ACMS sites that are not the user's host ACMS site."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 6

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.2.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Locate Where-Used

Requirement Text:

ACMS shall provide the capability to find where a product structure element is used in all product structures. Product structures and product structure elements may be designated as CIs (see Appendix D).

Resolution Text:

ACMS shall provide the capability to find where a product structure element is used in all product structures.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... where a product structure element is used in all product structures. Product structures and product structure elements may be designated as CIs (see Appendix D). To: ... where a part is used in all product structures. (Remove the last sentence on this requirement.) Explanation: CI requirements are already covered in Para 3.1.2.3.1.

Justification Text:

Recommend Rejecting changing to "part." We standardized on "product structure elements" in lieu of "parts, components, assemblies, and end-items ." Accept the deletion of the last sentence.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 7

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P3.2.3
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Determine Product Structure Elements Used

Requirement Text:

ACMS shall provide the capability to determine what product structure elements are used in a given product structure.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... what product structure elements are used in a given product structure. To: ... what parts are used in a given assembly. Explanation:</i>
CIMData	Alan Mendel	<i>From: ... what product structure elements are used in a given product structure. To: ... what product structure elements are used in a given product structure. Also provide the capability to determine the quantity and release status of each product structure element, as well as other critical information such as if the elements is optional. Explanation: Additional functional requirements that should be expected from COTS.</i>

Justification Text:

Recommend Rejecting changing to "part." We standardized on "product structure elements" in lieu of "parts, components, assemblies, and end-items ." Also recommend rejecting CIMdata comment. Specification of detailed data requirements is left to industry "best practices" and as implied by the MIL-STD-2549 interface requirements. If the Task Force chooses to accept the new CIMdata requirement, we recommend assigning the following temporary number (3.1.1.3.1.8-1) to locate it with the most appropriate siblings.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 8

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.5.3.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Relate Product Data

Requirement Text:

ACMS shall provide the capability to create, navigate, and maintain links (relationships) between product data. Example links include, but are not limited to, association of product data to its source data, earlier revisions, and approved change action documents.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4. 9

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.5.3.2
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Define Valid Relationship Types

Requirement Text:

ACMS shall provide the capability to create, modify, and delete new link types which describe relationships between product data.

Resolution Text:

ACMS shall provide the capability to create, modify, and delete user-defined link types which describe relationships between product data.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... and delete new link types which To: ... and delete link types which Explanation:</i>
<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	<i>From: ...create, modify, and delete new link types..... To: ... create, modify, and delete link types..... Explanation: The word new is not needed.</i>
<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
CIMData	Alan Mendel	<i>From: ... ACMS shall provide the capability to create, modify, and delete new link types... To... ACMS shall provide the capability to create, modify, and delete new user definable link types... Explanation: Very few COTS allow the creation, modification and deletion of all relationships within their data models. They do allow such in user definable or sub-classed relationships. Changes to super class data types and their relationship links usually result in large custom systems of COTS that are not cost effective to maintain.</i>

Justification Text:

Accept combined comments. Replaced "new" with "user-defined."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.10

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.5.3.3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Relate Product Structure Elements and Product Data

Requirement Text:

ACMS shall provide the capability to create links between product structure elements and product data.

Resolution Text:

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: ... To: Move this requirement to Para 3.1.1.3 Explanation:

Justification Text:

Recommend Rejecting. We are building the ability to locate product data via links to product structure elements. To move this requirement would disrupt the flow.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.11

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.5.3.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Define Valid Relationship Rules

Requirement Text:

ACMS shall provide the capability to implement rules which govern the behavior of links (e.g. types of product structure elements and product data which can be associated via a particular link type).

Resolution Text:

Delete

COMMENTS:

MSC:

BDM

Reviewer:

Margot Delapp

Comments:

From: ... To: ... DELETE (P1.5.3.4) Explanation: This requirement, Define Valid Relationship Rules, is ambiguous at best. The intent was to be able to constrain the the types of objects on each end of a type of relationship. To specify this kind of requirement is probably too close to being an implementation requirement. (action #55)

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.11-1

Source 1: New Requirement

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: <null>

Paragraph #: <null>

Note: <null>

Note: <null>

Category:

Define Valid Relationship Types

Requirement Text:

ACMS shall provide the capability to create, modify, and delete new link types which describe relationships between product structure elements and product data.

Resolution Text:

ACMS shall provide the capability to create, modify, and delete user-defined link types which describe relationships between product structure elements and product data.

COMMENTS:

MSC:

BDM

Reviewer:

Margot Delapp

Comments:

*From: ...NEW REQUIREMENT To: Define Valid Relationship Types... ACMS shall provide the capability to create, modify, and delete new link types which describe relationships between product structure elements and product data.
Explanation: Parallels 3.1.1.1.4.9 for product structure elements and product data relationships. (action #55)*

Justification Text:

Accept with modification (user-defined link).

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.12

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.5.1.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create Groupings

Requirement Text:

ACMS shall have the capability to group like product structure elements based on a minimum set of required attributes. Each grouping will have a different set of required attributes.

Resolution Text:

ACMS shall have the capability to group like product structure elements based on a minimum set of required attributes and attribute values. Each grouping will have a different set of required attributes and attribute values.

COMMENTS:

MSC:

BDM

Reviewer:

Sandy Santa Cruz

Comments:

From: ... a minimum set of required attributes. Each grouping will have a different set of required attributes. To: ... a minimum set of required attributes and attribute values. Each grouping will have a different set of required attributes and attribute values. Explanation: Clarifying that the group is defined by both a unique set of attributes and attribute values. Also making the connection with 3.1.1.1.4.14 clearer. (Action # 84)

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.13

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.5.1.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Arrange Groupings

Requirement Text:

ACMS shall provide the ability for product structure element groupings to be arranged hierarchically.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.14

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.5.2.2
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Query Metadata

Requirement Text:

ACMS shall provide the ability to query metadata for specific values, ranges of values, and logical combinations using Boolean operations.

Resolution Text:

ACMS shall provide the ability to query metadata for specific attribute values, ranges of values, values within a percentage of a given value, and logical combinations using Boolean operations.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... query metadata for specific To: ... query product data and metadata for specific Explanation:</i>
<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Sandy Santa Cruz	<i>From: ... query metadata for specific values, ... To: ... query metadata for specific attribute values, ... Explanation: Making the connection with 3.1.1.1.4.12 clearer. (Action # 84)</i>
<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
CIMData	Alan Mendel	<i>From: ... for specific values, ranges of values, and logical combinations using Boolean operations. To: ... for specific values, ranges of values, values within a percentage of a given value, and logical combinations using Boolean operations. Explanation: Search mechanism that can be extremely helpful when searching for product information.</i>

Justification Text:

Recommend Rejecting AMCOM comment. One queries metadata to locate product data. Accept BDM and CIMdata comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.15

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.5.2.3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Queries

Requirement Text:

ACMS shall allow for storing and retrieving queries and for creating ad-hoc queries.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.16

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.5.2.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Various Query Methods

Requirement Text:

ACMS shall allow for fill-in-the-blank, wild card, and command line queries.

Resolution Text:

ACMS shall allow for fill-in-the-blank and wild card queries.

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

*From: ... ACMS shall allow for fill-in-the-blank, wild card, and command line queries.
To: ... ACMS shall allow for fill-in-the-blank and wild card queries. Command line query capability is also desirable. This capability could be provided through a 3rd party tool. Explanation: Command line query capabilities tend to be very unfriendly and no longer well supported by COTS due to market demands.*

Justification Text:

Accept first line of CIMdata's comment. Probably need to discuss briefly to ensure everyone agrees.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.17

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.5.2.5

Paragraph #: <null>

Note: D

Note: <null>

Category:

Retrieve Based on Query Results

Requirement Text:

ACMS shall provide the capability to select and retrieve product data from the query results without additional navigation.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.4.18

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.5.3.5

Paragraph #: <null>

Note: D

Note: <null>

Category:

Track Revision Compatibility

Requirement Text:

ACMS shall automatically track and maintain proper revision compatibility for documents and document representations (see Appendix D) as product data files change.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.5.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.6

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Electronic Approvals

Requirement Text:

ACMS shall provide for electronic indication of approval along with the name of the approver and a date and time stamp. This can be used for such processes as Engineering Change Proposal (ECP) approvals, access approvals, and release approvals. It also can indicate task completion.

Resolution Text:

ACMS shall provide for electronic indication of approval for product data release, along with the name of the approver and a date and time stamp.

COMMENTS:

MSC:

Reviewer:

Comments:

AMSAA	Gordon Ney	<p><i>From: ...Engineering Change Proposal (ECP) To: ... "Engineering Change Action" or keep as "Engineering Change Proposal (ECP)" Explanation: The definitions of engineering change display, and change action in the glossary are not used consistently within the body of the document. The term engineering change action is used extensively and never defined. The term Engineering Change Proposal is used several times and is not defined. The term electronic displays such as Engineering Change Proposal (ECPs) is used, and is another inconsistent use of terms. Suggest that we use the terms consistently. One approach would be to use the following definitions and apply consistently through out the document. It would be nice to use definitions with an existing source, like 2549, 61 or 649. ECP and Engineering Change are defined in MIL-STD-2549. Memory fades, I thought that we were going to use the term engineering change action as a defined term to address what you have under change action. Is there a difference between an engineering change action and a change action? If you can come up with a better approach then use it, just be consistent in the application of the approach. Engineering Change action Modification of a product, the data and metadata related to the product. Engineering Change action examples include engineering change proposals, and deviations. Note: deletion of waivers. Engineering Change Action Display A predefined electronic display that represents a form and is created in ACMS to facilitate description and review of an engineering change action. Engineering Change Proposal (ECP) The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval. Engineering Change A change to the current approve configuration documentation of a configured item.</i></p>
<u>MSC:</u> BDM	<u>Reviewer:</u> Margot Delapp	<p><u>Comments:</u></p> <p><i>From: ... ACMS shall provide for electronic indication of approval along with the name of the approver and a date and time stamp. This can be used for such processes as Engineering Change Proposal (ECP) approvals, access approvals, and release approvals. It also can indicate task completion. To: ... ACMS shall provide for electronic indication of approval for product data release, along with the name of the approver and a date and time stamp. Explanation: Clarify coverage of requirement for electronic approval of released data. The evolution of this requirement had not quite made it way to being a release management requirement. Note. The examples from the original requirement have been moved to 3.1.1.2.2.10 which is a more general electronic approval requirement for workflows. (action #72)</i></p>

Justification Text:

Accept BDM comment. This makes the AMSAA comment no longer applicable. Note that the evolution of this requirement had not quite made it way to being a release management requirement. Also note that the examples from the original requirement have been

moved to 3.1.1.2.2.10 which is a more general electronic approval requirement for workflows.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.5.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.7

Paragraph #: <null>

Note: D

Note: <null>

Category:

Track Revision and Release Status

Requirement Text:

ACMS shall maintain document and document representation revisions, document representation release status, document approval status, and date and time stamps for product data files.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.6.1

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P1.8.1
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Record Audit History

Requirement Text:

ACMS shall provide an audit history of all adds, changes, and deletes. All history records will have a date/time stamp and the user performing the function. History records also will include full add information, the from and to conditions for changes, and full delete information. "Full add and delete information" implies the system captures a complete record of the record that changes. "From/to change information" implies the system only captures the from and to information for the fields that change and the values of the fields that are the record keys.

Resolution Text:

ACMS shall provide an audit history of all adds, changes, and deletes. All history records will have a date/time stamp and indicate the user performing the function. History records also will include full add information, the from and to conditions for changes, and full delete information. "Full add and delete information" implies the system captures a complete record of the record that changes. "From/to change information" implies the system only captures the from and to information for the fields that change and the values of the fields that are the record keys.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... To: Picatinny to include Tech Loop audit transactions here based on VTC. Explanation:</i>
BDM	Sandy Santa Cruz	<i>From: ... (2nd sentence) will have a date/time stamp and the user performing To: ... will have a date/time stamp and indicate the user performing Explanation: add the word "indicate"</i>

Justification Text:

Accept BDM comment pending ARDEC information. Added the word "indicate."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.6.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.8.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

View Audit History

Requirement Text:

ACMS shall provide the capability to view all audit history records.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.1.6.3

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P6.1.6
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Record Product Data Transport Transactions

Requirement Text:

ACMS shall provide the capability to record information about the product data transport transactions within ACMS. For example, ACMS should record the time, initiator, and recipient of the transaction.

Resolution Text:

ACMS shall provide the capability to record data transport transaction information such as the time, initiator, and recipient in a log which is accessible by authorized users only.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... To: This requirement made sense within the original framework but now it has been moved and we are not sure of its functional usage. Explanation:</i>
CIMData	Alan Mendel	<i>From: ... For example, ACMS should record the time, initiator, and recipient of the transaction. To: ... For example, ACMS should record the time, initiator, and recipient of the transaction. A transaction log should be accessible by authorized users. Explanation: Transaction logs should have some level of security.</i>

Justification Text:

Accept CIMdata comment with minor modification. Originally, this requirement was part of a set of six requirements pertaining to data exchange via transport and translation. Two of the six were deleted at the STRICOM meeting (P6.1.1 and P6.1.3). Two others were good external interface requirements and were moved there (P6.1.2 and P6.1.5). One was moved to be with the data translation requirements (P6.1.4). This left only P6.1.6 under the heading P6.1, Transport Data. Since it was recording data transport transactions for posterity, we moved it under Audit History Requirements.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.1.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.1.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create and Save Workflow Templates

Requirement Text:

ACMS shall provide the ability to create and save pre-defined workflow templates that automate regular and repeatable processes.

Resolution Text:

ACMS shall provide the capability to create, save, retrieve, and reuse pre-defined workflow templates that automate regular and repeatable processes.

COMMENTS:

MSC:

BDM

Reviewer:

Jim Cox

Comments:

*From: ... provide the ability to create and save pre-defined workflow templates ...
To: ... provide the capability to create, save, retrieve, and reuse pre-defined workflow templates ...
Explanation: During the Tech Loop VTC, BDM was tasked to ensure that the notion of workflow and data associated with a workflow could be reused (refer to T0003). This change clarifies the requirement for workflow reuse. See changes to 3.1.1.2.1.6 and 3.1.2.2.3 for reuse of associated workflow data. (Action # 88)*

Justification Text:

Accept BDM comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.1.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.1.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create Ad Hoc Workflows

Requirement Text:

ACMS shall provide the ability to create ad hoc workflows that automate ad hoc processes.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.1.3

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.1.3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Workflow Steps, Timing, and Dependencies

Requirement Text:

Both predefined and ad hoc workflows shall be capable of incorporating sequential, parallel, and conditional steps.

Resolution Text:

ACMS shall be capable of incorporating sequential, parallel, and conditional steps for both predefined and ad hoc workflows.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: ... Both predefined and ad hoc workflows shall be capable of incorporating sequential, parallel, and conditional steps. To: ACMS shall be capable of incorporating sequential, parallel, and conditional steps for both predefined and ad hoc workflows. Explanation: Consistent expression of ACMS requirements.

Justification Text:

Accept AMSAA comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.1.4

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P2.1.4
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Specify Workflow Rules

Requirement Text:

Both predefined and ad hoc workflows shall support voting, commenting, routing, and time-out rules.

Resolution Text:

ACMS shall provide the capability to establish voting rules and time-out rules for both predefined and ad hoc workflows. Time-out rules are also known as escalation rules.

COMMENTS:

<u>MSC:</u> AMSAA	<u>Reviewer:</u> Gordon Ney	<u>Comments:</u> <i>From: ...Both predefined and ad hoc workflows shall support voting, commenting, routing, and time-out rules. To: ... ACMS shall support voting, commenting, routing, and time-out rules for both predefined and ad hoc workflows. Explanation: Consistent expression of ACMS requirements.</i>
<u>MSC:</u> BDM	<u>Reviewer:</u> Sandy Santa Cruz	<u>Comments:</u> <i>From: ... Specify Workflow Rules. Both predefined and ad hoc workflows shall support voting, commenting, routing, and time-out rules. To: ... Support Time-Out Rules. ACMS shall support workflows with time-out rules. Explanation: Voting and commenting in 3.1.1.2.2.11 as modified. (Action # 85)</i>
<u>MSC:</u> CIMData	<u>Reviewer:</u> Alan Mendel	<u>Comments:</u> <i>From: ... Both predefined and ad hoc workflows shall support voting, commenting, routing and time-out rules. To: ... Both predefined and ad hoc workflows shall support voting, commenting, routing and time-out (escalation) rules. Explanation: Time-outs are also known as escalation.</i>

Justification Text:

Accept BDM and CIMdata comments with modifications. Upon reflection, establishing task routing is what workflow is all about. Also, requirement 3.1.1.2.2.7 handles the execution associated with routing data. Also upon reflection, it does not seem necessary to have a commenting requirement as part of workflow definition. One is needed for workflow execution and we are proposing to augment 3.1.1.2.2.11 to handle that.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.1.5

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.1.5

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create Action Triggers

Requirement Text:

Both predefined and ad hoc workflows shall support creating action triggers.

Resolution Text:

ACMS shall support creating action triggers for both predefined and ad hoc workflows.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

*From: ... Both predefined and ad hoc workflows shall support creating action triggers.
To: ... ACMS shall support creating action triggers for both predefined and ad hoc workflows. Explanation: Consistent expression of ACMS requirements.*

Justification Text:

Accept AMSSA comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.1.6

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P2.1.8
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Associate Product Data

Requirement Text:

ACMS shall provide the ability to associate product data with a workflow.

Resolution Text:

ACMS shall provide the capability to associate product data with a workflow, save the association, retrieve the workflow and associated product data, and reuse the workflow and associated product data as a new instance of the workflow.

COMMENTS:

MSC:

BDM

Reviewer:

Jim Cox

Comments:

From: ... provide the ability to associate product data with a workflow. To: ... provide the capability to associate product data with a workflow, save the association, retrieve the workflow and associated product data, and reuse the workflow and associated product data as a new instance of the workflow. Explanation: During the Tech Loop VTC, BDM was tasked to ensure that the notion of workflow and data associated with a workflow could be reused (refer to T0003). This change clarifies the requirement for reuse of product data associated with a workflow. See changes to 3.1.2.2.3 for another case of reusing workflow data and 3.1.1.2.1.1 for workflow reuse. (Action # 88)

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... ACMS shall provide the ability to associate product data with a workflow. To: ... ACMS shall provide the ability to associate product data with a workflow through the use of an electronic folder or packet. Explanation: This is typical COTS language.

Justification Text:

Accept BDM comment. Recommend rejecting CIMdata comment as implementation specific. If the Task Force desires to retain the CIMdata comment, recommend the following additional sentence at the end, "This association may be implemented through the use of an electronic folder or packet."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 1

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P2.1.11
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Monitor Workload

Requirement Text:

ACMS shall provide the ability to determine the progress of a workflow and to monitor the workload of resources associated with multiple workflows.

Resolution Text:

ACMS shall provide the capability to monitor the workload of resources associated with multiple workflows.

COMMENTS:

MSC:

BDM

Reviewer:

Sandy Santa Cruz

Comments:

From: ... Monitor Workflow. ACMS shall provide the ability to determine the progress of a workflow and to monitor the workload of resources associated with multiple workflows. To: ... Monitor Workload. ACMS shall provide the capability to monitor the workload of resources associated with multiple workflows. Explanation: Needed to split the compound requirement so that we could designate monitoring workload of resources as a future requirement in Table 6-1, without also designating determine the progress of a workflow as future. See also 3.1.1.2.2.1-1. (Action # 86)

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... and to monitor the workload of resources associated with multiple workflows. To: ... and to monitor the workload of resources associated with multiple workflows or integrate with a 3rd party project management and/or resource management tool that can. Explanation: Most COTS do not have this type of functionality.

Justification Text:

Accept BDM comment. With respect to CIMdata comment, this requirement is designated future in Table 6-1 (Now II or III). Recommend rejecting CIMdata's suggestion to add implementation specific language.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 1-1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Determine Workflow Progress

Requirement Text:

ACMS shall provide the capability to determine the progress of a workflow.

Resolution Text:

ACMS shall provide the capability to determine the progress of a workflow.

COMMENTS:

MSC:

BDM

Reviewer:

Sandy Santa Cruz

Comments:

*From: ... NEW REQUIREMENT To: ... Determine Workflow Progress. ACMS shall provide the capability to determine the progress of a workflow.
Explanation: Needed to split the compound requirement 3.1.1.2.2.1 so that we could designate monitoring workload of resources as a future requirement in Table 6-1, without also designating determine the progress of a workflow as future. (Action # 86)*

Justification Text:

Accept BDM comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 2

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P2.1.12
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Highlight Late Tasks

Requirement Text:

ACMS shall provide electronic notification of tasks that have not been completed prior to the due date. Notification will be to the user that initiated the workflow task and others as required.

Resolution Text:

ACMS shall provide electronic notification of tasks that have not been completed prior to the due date. Notification will be to the user that initiated the workflow task and others as required. Notification will be to the user that initiated the workflow task and others as required. Notifications may be delivered through commercial email systems.

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... Notification will be to the user that initiated the workflow task and others as required. To: ... Notification will be to the user that initiated the workflow task and others as required. Notifications will be delivered through commercial email system integrations. Explanation: Need to make sure that COTS have more than their own mail systems.

Justification Text:

Accept with modification.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 3

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.1.13

Paragraph #: <null>

Note: D

Note: <null>

Category:

Record Workflow History

Requirement Text:

ACMS shall provide for capturing information on the performance of a workflow and to review the events and results associated with the workflow.

Resolution Text:

ACMS shall provide for capturing information on the performance of a workflow (for example, how long someone has had a folder, and how long the workflow took to execute) and to review the events and results associated with the workflow.

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... for capturing information on the performance of a workflow and to... To: ... for capturing information on the performance of a workflow (e.g. how long someone has had a folder, how long the workflow took to execute, etc.) and to... Explanation: Need some examples so that the vendor can respond.

Justification Text:

Accept with modification based on earlier comment to replace "e.g.,"

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 4

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.1.14

Paragraph #: <null>

Note: D

Note: <null>

Category:

Check Work Queues

Requirement Text:

ACMS shall allow the users to check work queues for any workflow assigned task.

Resolution Text:

ACMS shall allow authorized users to check work queues for any workflow assigned task.

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... ACMS shall allow the users to check work queues for any workflow assigned task. To: ... ACMS shall allow authorized users to check work queues for any workflow assigned task. Explanation: A potential security issue.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 5

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P2.1.6
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Generate Event Notifications

Requirement Text:

Both predefined and ad hoc workflows shall be capable of generating and disseminating event notifications.

Resolution Text:

ACMS shall be capable of generating and disseminating event notifications for both predefined and ad hoc workflows.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

*From: ...Both predefined and ad hoc workflows shall be capable of generating and disseminating event notifications. To: ... ACMS shall be capable of generating and disseminating event notifications for both predefined and ad hoc workflows.
Explanation: Consistent expression of ACMS requirements.*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 6

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.1.7

Paragraph #: <null>

Note: D

Note: <null>

Category:

Edit Workflow

Requirement Text:

ACMS shall provide authorized users with the ability to edit pre-defined or ad hoc workflows including during execution.

Resolution Text:

Justification Text:

Add the following new requirement in response to Paul Behren's comment. "Delegate Tasks ACMS shall provide the capability to establish a "task owner" for any task within a workflow "job" who then has flexible options for establishing "child" or "subtasks" with user assignments and permissions.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 7

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Route Product Data via Workflow

Requirement Text:

ACMS shall provide to authorized users the ability to route product data through a defined workflow.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 8

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Event-Based Triggers

Requirement Text:

ACMS shall provide for the initiation of a workflow step based upon the occurrence of a pre-defined event.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2. 9

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Distribute Product Data and Notifications

Requirement Text:

ACMS shall provide for the distribution of folders or packages and the transmission of notifications.

Resolution Text:

Delete

COMMENTS:

MSC:

BDM

Reviewer:

Margot Delapp

Comments:

From: To: DELETE Explanation: "distribution of folders or packages" is covered by 3.1.1.2.2.7 (P2.2) which requires "ability to route product data through a defined workflow," and "transmission of notifications" is covered by 3.1.1.2.2.5 (P2.1.6) and 3.1.1.2.2.2 (P2.1.12). (action #71)

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2.10

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P2.5.1
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Provide Electronic Sign-off

Requirement Text:

ACMS shall provide for electronic indication of approval or authorization. This can be used to signify task completion or product sign-off.

Resolution Text:

ACMS shall provide for electronic indication of approval or authorization through a mechanism that guarantees the authenticity of the approver such as a second-level password that must be entered for the signoff to become valid. This may be used to signify task completion, product sign-off, or engineering change action approval.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Margot Delapp	<i>From: ... This can be used to signify task completion or product sign-off. To: ... This can be used to signify task completion or product sign-off as in engineering change action approvals. Explanation: Moved the example of engineering change action electronic approvals from 3.1.1.1.5.1 to here. (action #72)</i>
CIMData	Alan Mendel	<i>From: ... ACMS shall provide for electronic indication of approval or authorization. To: ... ACMS shall provide for electronic indication of approval or authorization through a mechanism that guarantees the authenticity of the approver such as a second level password that must be entered for the signoff to become valid. Explanation: Those that approve/signoff must verify that they are authorized. Just logging into the system is generally not sufficient for secure or regulated organizations, e.g., a user may leave their work site while still logged into the system. A second level (additional password used only for signoffs and other secure activities) password provides an increased validation of authorized individuals.</i>

Justification Text:

Accept BDM comment with modifications. Accept CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.2.2.11

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P2.5.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Record Comments and Votes

Requirement Text:

ACMS shall record votes from the appropriate users.

Resolution Text:

ACMS shall record comments and votes from the appropriate users.

Justification Text:

Modified based on resolution of comments from 3.1.1.21.4.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.1.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.1.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create and Associate Product Structure Elements

Requirement Text:

ACMS shall provide the capability to create and associate product structure elements.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.1.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.1.9

Paragraph #: <null>

Note: D

Note: <null>

Category:

Maintain Product Structure

Requirement Text:

ACMS shall provide the capability to add, delete, or replace specific product structure elements in a product structure.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.1.3

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.1.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Represent Product Structure Hierarchically

Requirement Text:

Product structure representations within ACMS shall be hierarchical.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.1.4

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.1.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Maintain Product Structure Element Revisions

Requirement Text:

ACMS shall provide the capability to create and modify revisions of product structure elements. These revisions can be either released and non-released revisions.

Resolution Text:

ACMS shall provide the capability to create and modify revisions of product structure elements. These revisions can be either released or non-released revisions.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: (2nd sentence) ...either released and non-released revisions. To: ...
either released or non-released revisions. Explanation:*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.1.5

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.1.5

Paragraph #: <null>

Note: D

Note: <null>

Category:

Accommodate Multiple Revisions

Requirement Text:

ACMS shall accommodate multiple released revisions and non-released revisions of product structure elements.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.1.6

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P3.1.10
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Maintain Product Structure Revisions

Requirement Text:

ACMS shall increment the product structure revision indicator when the product structure is changed by adding, modifying, and deleting particular product structure element revisions, effectivities, or options such as alternative or substitute parts.

Resolution Text:

ACMS shall increment the product structure revision indicator based on defined rules such as when the product structure is changed by adding, modifying, or deleting particular product structure element revisions, effectivities, or options such as alternative or substitute parts.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... modifying, and deleting particular product structure element revisions, effectivities, or options such as alternative or substitute parts. To: ... modifying, or deleting particular product structure element revisions, effectivities, or options such as alternate or substitute parts. Explanation:</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
CIMData	Alan Mendel	<i>From: ... ACMS shall increment the product structure revision indicator... To: ... ACMS shall increment the product structure revision indicator based on defined rules... Explanation: Rules need to be determined as to when product structures are incremented and at what level in the product structure. For example, do changes to a subassembly drive a change to the parent assembly or does it depend on the type of change?</i>

Justification Text:

Accept AMCOM comment. Accept CIMdata comment with modification.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.1.7

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.1.6

Paragraph #: <null>

Note: D

Note: <null>

Category:

Maintain Effectivity

Requirement Text:

ACMS shall provide the capability to create and maintain information on when a product structure element revision is valid for use in assembling a particular configuration of a product.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.1.8

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P3.1.7
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Support Multiple Baseline Effectivities

Requirement Text:

ACMS shall support multiple baselines within a product structure and be able to specify the effectivity of the baseline using various methods to include by serial number, production date, matched sets, and lot.

Resolution Text:

ACMS shall support multiple baselines within a product structure including specifying effectivity by serial number, end item, lot, block, production date, unit identification, and matched sets to support as-built and as-modified configurations.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... structure and be able to specify the effectivity of the baseline using various methods to include by serial number, production date, matched sets, and lot. To: ... structure including specifying effectivity by serial number, end item, lot, block, production date, unit identification, and matched sets to support as-built and as-modified configurations. Explanation:</i>
BDM	Sandy Santa Cruz	<i>From: ... ACMS shall support multiple baselines within a product structure and be able to specify the effectivity of the baseline using various methods to include by serial number, production date, matched sets, and lot. To: ... ACMS shall support multiple baselines of a particular product structure and be able to specify the effectivity of each baseline using various methods to include by serial number, production date, matched sets, and lot. Explanation: Clarify the requirement. Minor changes.</i>
CIMData	Alan Mendel	<i>From: ... baselines using various methods to include by serial... To: ... baselines using various methods such as serial ... Explanation: Few COTS will be able to support all the these methods (serial, date, sets, and lots)</i>

Justification Text:

Accept AMCOM comment, but recommend considering the following alternative: "ACMS shall support multiple baselines of a particular product structure and be able to specify the effectivity of each baseline using various methods such as serial number, end item, lot, block, production date, unit identification, and matched sets to support as-built and as-modified configurations." Question: What is unit identification? Also note CIMdata's comment about the inability of COTS products to support all these effectivity schemes.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.1.9

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.1.8

Paragraph #: <null>

Note: D

Note: <null>

Category:

Identify Product Structure Element Options

Requirement Text:

ACMS shall provide the capability to identify product structure element options such as alternate or substitute parts.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.2.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.3.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Multiple Product Structure Views

Requirement Text:

ACMS shall provide the capability to create, display, and print various views of a product structure. Example views include a designer's view, a manufacturer's view, and a program manager's view.

Resolution Text:

ACMS shall provide the capability to create, display, and print various views of a product structure. Example views include a designer's view, a manufacturer's view, and a program manager's view or a view of Configuration Items (CIs).

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... (2nd sentence)...a program manager's view. To: ... a program manager's view or a view of Configuration Items (CIs). Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.3.2.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P3.3.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Various Product Structure Reports

Requirement Text:

ACMS shall provide the capability to create, store, display, and print various product structure reports.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.4.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P4.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Maintain WBS and Relate Product Data to Tasks

Requirement Text:

ACMS shall provide the capability to create and maintain a project work breakdown structure (WBS) and allow users to relate ACMS controlled product data and product structures to the WBS tasks.

Resolution Text:

ACMS shall provide the capability to create and maintain a project work breakdown structure (WBS) in accordance with MIL-STD-881 and allow users to relate ACMS controlled product data and product structures to the WBS tasks.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

(PART 1)...From: ...To: ... Explanation: Need from Jim Rick (PART 2)...From: ...To: ... work breakdown structure (WBS) IAW MIL-STD-881 and allow usersExplanation:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... allow users to relate ACMS controlled product data and product structures to the WBS tasks. To: ... allow users to relate ACMS controlled product data and product structures to the WBS tasks. This functionality can either be provided through integration with another 3rd party application or through extensions to the COTS PDM. Explanation: COTS do not support this functionality well. Integration is usually necessary.

Justification Text:

Accept AMCOM comment. Note the CIMdata comment. Does the Army really want these program management requirements in ACMS? If so, should they be designated as future requirements in the Section 6 table.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.4.2

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P4.2
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Develop Schedule and Monitor Status

Requirement Text:

ACMS shall provide the ability to create schedules for WBS tasks and determine the status of tasks as well as the status of ACMS controlled product data and product structures associated with the tasks.

Resolution Text:

Delete

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	(PART 1) From: ... product data and product structures associated To: ... product data associated Explanation: Need from Jim Rick (PART 2)...From: ...To: ... Remove this requirement.Explanation:
CIMData	Alan Mendel	From: ... ACMS controlled product data and product structures associated with the tasks. To: ... ACMS controlled product data and product structures associated with the tasks. This functionality can either be provided through integration with another 3rd party application or through extensions to the COTS PDM. Explanation: COTS do not support this functionality well. Integration is usually necessary.

Justification Text:

Accept AMCOM comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.4.3

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P4.3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Assign and Track Resources

Requirement Text:

ACMS shall provide the capability to assign resources to tasks and track the expenditure of those resources.

Resolution Text:

Delete

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... To: ... Remove this requirement. Explanation:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... resources to tasks and track the expenditure of those resources. To: ... resources to tasks and track the expenditure of those resources. This functionality can either be provided through integration with another 3rd party application or through extensions to the COTS PDM. Explanation: Almost none of the PDM COTS support this functionality. Integration will be necessary.

MSC:

Reviewer:

Comments:

SSCOM

A. Tony Yablonicky

...dealing with assigning resources to tasks and tracking their expenditure. Is there an intent to link expenditure with task accomplishment? What is stated appears to be only a track of burn rate, which only tells you if you are spending resources at one projected rate or some other rate over time. The real measure is one of expenditure vs accomplishment, ie., performance measurement. One can spend resources according to plan and have nothing to show for it, or one can find a way to do it for less more quickly - or anywhere in between. Burn rate tracking does not provide insight. If we are to develop a system that appears to have the power and capabilities that are identified in the spec, it seems a shame to overlook such a key management indicator as the relationship between task cost and task accomplishment.

Justification Text:

Accept AMCOM comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.5.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P6.2.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

List Available Translators

Requirement Text:

ACMS shall provide a list of translators accessible via ACMS and the formats each translator accepts and creates.

Resolution Text:

Justification Text:

We have no response to Paul Behren's question regarding ADCS.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.5.2

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P6.2.2
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Add Translators

Requirement Text:

ACMS shall include the capability to add product data translators. When translation is necessary, ACMS will schedule and route the product data to appropriate translators, apply default settings for translations, initiate the translation, and route the output to the user.

Resolution Text:

ACMS shall include the capability to incrementally add product data translators.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... to add product data translators. To: ... to incrementally add product data translators. Explanation: Agreed to at the STRICOM meeting.</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Sandy Santa Cruz	<i>From: ... To: ... delete second sentence, "When translation is necessary,....." Explanation: This sentence is a duplicate of requirement 3.1.1.5.5 (P6.1.4). (action #76)</i>

Justification Text:

Accept AMCOM and BDM comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.5.3

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P6.2.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Automatic Translation Services

Requirement Text:

ACMS shall provide the capability to automatically translate product data to pre-specified formats in response to event triggers or workflow prompts.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.5.4

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P6.2.3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Default Translation Parameters

Requirement Text:

ACMS shall provide default translation parameters that may be modified by the user. Example parameters include product data destination, location, name, and format.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.5.5

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P6.1.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Translate Product Data

Requirement Text:

ACMS shall provide the capability to schedule and route product data to appropriate product data translators, apply default settings for translations, initiate the translation, and route the output to the user.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.6.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P7.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create and Display Viewable Images

Requirement Text:

ACMS shall provide the capability to create and display viewable images using one or more of the following viewing software applications: TBD.

Resolution Text:

ACMS shall provide the capability to create and display viewable images using one or more of the following viewing software applications: TBD. (This requirement should be tailored by the implementing command at the time of acquisition.)

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: ... software applications: TBD. To: ... software applications found in Para 3.2. Explanation:

Justification Text:

Recommend Rejecting pending explanation. Recommend adding the phrase, "(This requirement should be tailored by the implementing command at the time of acquisition.)"

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.6.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P7.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Add Viewer Applications

Requirement Text:

ACMS shall support the integration of additional viewer applications beyond those originally specified.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.6.3

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P7.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Viewable Image Review

Requirement Text:

ACMS shall provide the capability for multiple reviewers to red-line, mark-up, and provide annotations to viewable images.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.6.4

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P7.5

Paragraph #: <null>

Note: D

Note: <null>

Category:

Maintain Distinct Red-Lines

Requirement Text:

ACMS shall ensure that individual reviewer red-lines and annotations are kept distinct.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.6.5

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P7.7

Paragraph #: <null>

Note: D

Note: <null>

Category:

Print Viewable Images and Redlines

Requirement Text:

ACMS shall provide the capability to print viewable images and redlines.

Resolution Text:

ACMS shall provide the capability to print viewable images and redlines. This capability may be provided by a COTS integrated viewer/browser or through an embedded viewer/browser.

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

*From: ... ACMS shall provide the capability to print viewable images and redlines.
To: ... ACMS shall provide the capability to print viewable images and redlines. This capability can be provided by a COTS integrated viewer/browser or through an embedded viewer/browser. Explanation: This functionality is almost always provided by a COTS viewer/browser, such as Rosetta.*

Justification Text:

Accept CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1. 1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.2.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create User Information

Requirement Text:

ACMS shall provide the capability to establish and modify user information and access permissions.

Resolution Text:

ACMS shall provide the capability to create and modify user information and access permissions.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

(PART 1)...From: .. Title ...Establish User Information To: . Title ...Create User
InformationExplanation: (PART 2)...From: ... to establish and To: ... to
create and Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1. 2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.2.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Enter Password

Requirement Text:

ACMS shall require the user to enter a password to access the system.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1. 3

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P8.2.5
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Modify Password

Requirement Text:

ACMS shall provide the capability for the user to change a his or her password.

Resolution Text:

ACMS shall provide the capability for the user to change his or her password.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... change a his or her To: ... change his or her Explanation:</i>
BDM	Sandy Santa Cruz	<i>From: ... for the user to change a his or her password. To: ... for the user to change his or her password. Explanation: delete "a"</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1. 4

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.2.7

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create and Modify Identities, Roles, and Groups

Requirement Text:

ACMS shall provide the capability to create and modify user identities, roles, and groups.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1. 5

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.2.7-1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Assign Permissions

Requirement Text:

ACMS shall provide the capability to assign access permissions to roles, groups, and users.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1. 6

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.2.7-2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Assign Roles to Groups

Requirement Text:

ACMS shall provide the capability to assign roles to groups.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1. 7

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.2.7-3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Assign Users to Roles within Groups

Requirement Text:

ACMS shall provide the capability to assign users to roles within groups.

Resolution Text:

ACMS shall provide the capability to assign users to roles within groups. This means a user's role assignment is only valid for the specified group or groups.

COMMENTS:

MSC:

BDM

Reviewer:

Sandy Santa Cruz

Comments:

From: ... To: ... (add a 2nd sentence) This means a user's role assignment is only valid for the specified group or groups. Explanation: An attempt to further clarify the use of roles within groups. (Action # 83)

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1. 8

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P8.2.7-4
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Tailor User's Role and Group Permissions

Requirement Text:

ACMS shall provide the capability tailor role and group permissions for a specific user.

Resolution Text:

ACMS shall provide the capability to tailor role and group permissions for a specific user.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... capability tailor role .To: ... capability to tailor role Explanation:</i>
AMSAA	Gordon Ney	<i>From: ...capability tailor role To: ...capability to tailor role Explanation: Editorial clarification</i>
BDM	Sandy Santa Cruz	<i>From: ...provide the capability tailor To: ...provide the capability to tailor ...Explanation: add the word "to"</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1. 9

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.2.7-5

Paragraph #: <null>

Note: D

Note: <null>

Category:

Associate Product Structures and Product Data to Groups

Requirement Text:

ACMS shall provide the capability to associate product structures and product data to groups.

Resolution Text:

ACMS shall provide the capability to associate product structures and product data to groups. This can be used, for example, as the means for restricting access based on file type or release status.

COMMENTS:

MSC:

BDM

Reviewer:

Sandy Santa Cruz

Comments:

From: ... To: ... (add a 2nd sentence) This can be used, for example, as the means for restricting access based on file type or release status. Explanation: Adding this sentence explains how file type and document release status (referenced in the now deleted 3.1.1.1.2.4) would be handled. (Action # 83)

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1.10

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.2.7-6

Paragraph #: <null>

Note: D

Note: <null>

Category:

Limit Access

Requirement Text:

ACMS shall limit a user's access to product structures and product data associated with a group based on the most restrictive access permissions specified for the user, the role assigned to the user, or the group to which the user and role are assigned.

Resolution Text:

ACMS shall limit a user's access to product structures and product data based on the most restrictive access permissions specified for the user, the role assigned to the user, or the group to which the user and role are assigned.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... product data associated with a group based on To: ... product data based on Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.1.11

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Enter New Password

Requirement Text:

New Requirements...Users shall be required to enter new passwords periodically as defined by the administrator.

Resolution Text:

ACMS shall require the user to enter a new password periodically as defined by the administrator.

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: To: Users will be required to enter new passwords periodically as defined by the system administrator. Explanation: Password expiration is very important. There is probably government rules regarding time frame, etc.

Justification Text:

Accept with modification.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.2.1

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P8.3
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Manage Distributed Data Environment

Requirement Text:

ACMS shall provide the capability to maintain, coordinate, and synchronize a distributed data environment that includes multiple sites, multiple servers, multiple networks, multiple repositories, and multiple PDM systems.

Resolution Text:

ACMS shall provide the capability to maintain, coordinate, and synchronize a distributed data environment for metadata and documents that includes multiple sites, multiple servers, multiple networks, multiple repositories, and multiple PDM systems.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	<i>From: ... To: ... Add requirement 3.1.1.7.2.1 Manage distributed Data Environment Explanation: This requirement is not now commercially available per CIM Data assessment, and may not be in near future.</i>
CIMData	Alan Mendel	<i>From: ... synchronize a distributed data environment that... To: ... synchronize a distributed data environment (metadata as well as managed data objects) that... Explanation: Need to be more specific. Many vendors only provide distributed file storage.</i>

Justification Text:

Accept CIMdata comment with modification. AMSAA comment was against Table 6-1, but better discussed here. Only the "multiple PDM systems" part of 3.1.1.7.2.1 is in the future. Recommend either splitting the requirement into at least two pieces or not designate it as a future requirement.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.3.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.4.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Archive and Backup ACMS

Requirement Text:

ACMS shall provide the capability to create and maintain continuous transaction logs, backups, and archives.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.3.2

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P8.4.2
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Restore ACMS

Requirement Text:

ACMS shall provide the capability to restore the system using transaction logs and backups in support of normal data protection operations and COOPs.

Resolution Text:

ACMS shall provide the capability to restore the system using transaction logs and backups in support of normal data protection operations and Continuity of Operations Plans (COOPs).

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	(PART 1)...From: ...To: Need to add Archive and Backup to the Glossary. Explanation: (PART 2)...From: ... protection operations and COOPs. To: ... protection operations and Continuity of Operations Plans (COOPs). Explanation:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	From: ...COOPs. To: ...Continuity of Operations Plans (COOPs) Explanation: first occurrence of the acronym

Justification Text:

Accept COOP comments. Action taken to add Archive and Backup to Glossary.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.3.3

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P8.4.3
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Retrieve from Archives

Requirement Text:

ACMS shall provide the capability to request that data be retrieved from off-line archival storage to support Continuity of Operations Plans (COOPs).

Resolution Text:

ACMS shall provide the capability to retrieve data from off-line archival storage to support COOPs.

COMMENTS:

<u>MSC:</u> AMCOM	<u>Reviewer:</u> G Booker/C Crawford	<u>Comments:</u> <i>From: ...capability to request that data be retrieved from off-line archival storage to support Continuity of Operations Plans (COOPs). To: ... capability to retrieve data from off-line archival storage to support COOPs. Explanation:</i>
<u>MSC:</u> AMSAA	<u>Reviewer:</u> Gordon Ney	<u>Comments:</u> <i>From: ... Continuity of Operations Plans (COOPs) To: ... COOPs Explanation: second occurrence of the acronym</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.4.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create and Modify Metadata Defaults

Requirement Text:

ACMS shall provide the system administrator with the ability to create and modify metadata defaults.

Resolution Text:

ACMS shall provide the system administrator with the ability to create and modify default values for metadata.

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... the ability to create and modify metadata defaults. To: ... the ability to create and modify default values for metadata. Explanation: Adjust wording to increase clarity of specification.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.4.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.6

Paragraph #: <null>

Note: D

Note: <null>

Category:

Customize User Interface

Requirement Text:

ACMS shall provide the system administrator with the capability to customize the user interface.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.4.3

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.7

Paragraph #: <null>

Note: D

Note: <null>

Category:

Customize System Messages and Terminology

Requirement Text:

ACMS shall provide the system administrator with the capability to customize the system messages and terminology.

Resolution Text:

ACMS shall provide the system administrator with the capability to customize the system messages, terminology, and on-line help.

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... to customize the system messages and terminology. To: ... to customize the system messages, terminology, and on-line help. Explanation: Need to be able to do this.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.4.4

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.9.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Add New Functionality

Requirement Text:

ACMS shall provide the system administrator with the capability to add new ACMS functionality such as defining new metadata elements, associating them with product structures and product data, and defining queries and reports.

Resolution Text:

ACMS shall provide the system administrator with the capability to add ACMS functionality such as defining new metadata elements, associating them with product structures and product data, and defining queries and reports.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... to add new ACMS functionality To: ... to add new functionality
Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.4.5

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.9.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create Displays

Requirement Text:

ACMS shall allow the system administrator to create editable displays for ACMS users. Examples include ECP evaluation, data check-in, and data release displays.

Resolution Text:

ACMS shall allow the system administrator to create displays for ACMS users. Examples include data check-in, data release, and engineering change action displays.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

(PART 1)...From: .. TitleCreate Editable Displays To: . Title ...Create Displays Explanation: (PART 2)...From: ...create editable displays for ... To: ... create displays forExplanation:

Justification Text:

Accept with comment. Not sure "display" alone conveys that the user may input and edit information. Is the revised requirement what the Army wants here. Refer to G-32 for additional details. Note: We changed "ECP" to "engineering change action" and moved it to the end of the list of examples per AMSAA comments on 3.1.2.5.5 and others.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.5.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.10.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Establish Security Controls

Requirement Text:

ACMS shall provide capabilities that enable the system administrator to establish security controls and monitor the system for security violations.

Resolution Text:

Justification Text:

Add before this requirement, the following provided by Paul Behrens. "Required Security Level ACMS shall provide Confidentiality, Integrity, Identification & Authentication, and Audit capabilities to be certified at a C2 security level. Proper procedures and configuration requirements will be identified to adequately protect Sensitive But Unclassified (SBU) data as defined by DoD and DA."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.5.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.10.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Virus Checking

Requirement Text:

ACMS shall provide controls to protect the system and data from contamination by unauthorized computer programs or data such as viruses.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... ACMS shall provide controls to protect the system... To: ... ACMS shall provide controls (embedded or through an integration) to protect the system...

Explanation: This functionality is usually not provided directly by PDM COTS systems.

Justification Text:

Recommend Rejecting change, but Task Force should note the comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.5.3

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.10.3

Paragraph #: <null>

Note: D

Note: <null>

Category:

Apply File Name Encryption

Requirement Text:

ACMS shall encrypt the names of file with restricted access to preclude accessing these files directly through the operating system without using the ACMS interface.

Resolution Text:

ACMS shall encrypt the names of files with restricted access to preclude accessing these files directly through the operating system without using the ACMS interface.

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: ... of file with restricted.... To: ... of files with restricted Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.5.4

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.10.4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Record Unauthorized Access Attempts

Requirement Text:

ACMS shall record unauthorized attempts to access ACMS data and shall deny ACMS use to users whose unauthorized attempts have reached the specified maximum threshold.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.6.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P8.11

Paragraph #: <null>

Note: D

Note: <null>

Category:

Monitor System Performance and Usage

Requirement Text:

ACMS shall provide the system administrator the capability to monitor system performance and usage.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.1.7.6.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P1.3.5

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Rule-Based Performance Controls

Requirement Text:

ACMS shall provide mechanisms for resolving system performance degradation. Vendors are expected to propose mechanisms.

Resolution Text:

ACMS shall provide a method for the system administrator to configure system usage rules in order to maximize system performance.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

(PART 1)...From: . Title... Resolve Performance Degradation To: ...Title ...Provide Rule-Based Performance Controls Explanation: (PART 2)...From: ACMS shall provide mechanisms for resolving system performance degradation. Vendors are expected to propose mechanisms. To: ACMS shall provide a method for the system administrator to configure system usage rules in order to maximize system performance. Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Mgmt Data Exchange Requirements

Requirement Text:

Configuration Management Data Exchange Requirements

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.1.1

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0028

Paragraph #: <null>

Note: D

Note: <null>

Category:

Process Data Information Packets

Requirement Text:

ACMS shall provide the capability to accept, create, validate, store, retrieve, modify, and archive data information packets as defined in MIL-STD-2549, dated 30 June 1997 and the November 1997 Errata Sheet.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Configuration Planning Requirements

Requirement Text:

Configuration Planning Requirements

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.

Justification Text:

CIMdata has indicated that tailoring or configuring the system probably will be necessary, but may or may not be a big job. Will depend on the vendor and what strategies they have for handling CM metadata. Some PDM vendors are working with CM vendors to develop CM heavy versions of their PDM systems, but they aren't really there yet. The level of difficulty may depend on what specific CM metadata will be required over and above the product's existing data and how the additional data is added to the system. For example, changing the existing data model to accommodate the additional CM data will require significant effort and expense. Basically, CIMdata is saying the Army won't get all the required CM capability off-the-shelf.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.2.1

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0001

Paragraph #: <null>

Note: D

Note: <null>

Category:

Manage Program Management Documents

Requirement Text:

ACMS shall provide the capability to identify, store, retrieve, and display Program Management documents in a vault. Program Management documents include Acquisition Strategy, Configuration Management Plans, Audit Plans, Interface Control Agreements and other documents associated with the management and control of weapon systems, end items, assemblies, and components for the purpose of CM activity support.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.2.2

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0002

Paragraph #: <null>

Note: D

Note: <null>

Category:

Determine Contract Data Requirements

Requirement Text:

ACMS shall provide the capability to determine, record, and display the types of MIL-STD-2549 data information packets required as contract deliverables.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.2.3

Source 1: CM requirements
Source 1 ID: <null>
Paragraph #: C0004
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Record CM Activity Management Data

Requirement Text:

For each CM activity (see Appendix D), ACMS shall record CM activity data which may include the following: participants, reviewers, responsible activity name, location, Point of Contact, decision authority, phone numbers, action items, milestones, and related dates (e.g., decision date, audit date, and review suspense dates).

Resolution Text:

For each CM activity (see Appendix D), ACMS shall provide workflow capabilities to record, retrieve, reuse, and display CM activity data which may include the following: participants, reviewers, responsible activity name, location, Point of Contact, decision authority, phone numbers, action items, milestones, and related dates (for example, decision date, audit date, and review suspense dates).

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... ACMS shall record... To: ... ACMS shall provide workflow capabilities to record Explanation: To clarify that this functional intent is to provide workflow within the CM portions.</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Jim Cox	<i>From: ... For each CM activity (see Appendix D), ACMS shall record CM activity data ... To: ... For each CM activity (see Appendix D), ACMS shall provide the capability to record, retrieve, reuse, and display CM activity data ... Explanation: During the Tech Loop VTC, BDM was tasked to ensure that the notion of workflow and data associated with a workflow could be reused (refer to T0003). This change clarifies the requirement for reuse of data associated with a workflow (e.g., a CM activity). See changes to 3.1.1.2.1.6 for another case of reusing workflow data and 3.1.1.2.1.1 for workflow reuse. (Action # 88)</i>

Justification Text:

Accept and combine both comments. Replaced e.g., per earlier comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.2.4

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0005

Paragraph #: <null>

Note: D

Note: <null>

Category:

Generate CM Performance Statistics

Requirement Text:

ACMS shall generate performance statistics for on-line display and in reports on CM activities (see Appendix D), for the purpose of continuous improvement. Performance statistics will provide data that identifies any backlog, bottleneck and errors.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Identification Requirements

Requirement Text:

Configuration Identification Requirements

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.

Justification Text:

Refer to 3.1.2.2.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.3.1

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0006

Paragraph #: <null>

Note: D

Note: <null>

Category:

Establish Configuration Items and Their Identifiers

Requirement Text:

ACMS shall provide the capability to assign, record, and display CI identifiers at each level within the product structure.

Resolution Text:

ACMS shall provide the capability to assign, record, and display CI identifiers at all levels within the product structure.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: ... identifiers at each level within.... To: ... identifiers at all levels within...
Explanation:*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.3.2

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0007

Paragraph #: <null>

Note: D

Note: <null>

Category:

Record Metadata and Assign Unique Identifiers

Requirement Text:

ACMS shall provide the capability to assign, record, and display metadata and unique identifiers for product structure elements and documents.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.3.3

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0008

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create Metadata Elements

Requirement Text:

ACMS shall provide the capability to create, update, and delete metadata elements associated with product structure elements and documents.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.3.4

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0015

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create Relationships

Requirement Text:

ACMS shall provide the capability to create relationships between and record metadata about the relationship for items such as CIs, product structure elements and documents to include change and audit actions. For example, CI to CI and CI to part.

Resolution Text:

ACMS shall provide the capability to create relationships between and record metadata about the relationship between items such as CIs, product structure elements and documents to include change and audit actions. Examples include CI to CI and CI to part.

COMMENTS:

MSC:

BDM

Reviewer:

Margot Delapp

Comments:

*From: ... record metadata about the relationship for items such as ... To: ...
record metadata about the relationship between items such as ... Explanation:
Clarify -- this requirement includes requirement 3.1.2.4.2 (C0021) for relationships
between audit actions & related PSE/documents. 3.1.2.4.2 (C0021) is recommended
for deletion. (action #67)*

Justification Text:

Accept. Replaced "for" with "between." Fixed the sentence fragment at the end.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.3.5

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0019

Paragraph #: <null>

Note: D

Note: <null>

Category:

Identify Revisions

Requirement Text:

ACMS shall provide the capability to identify, record, and display the current and all previous document revision identifiers.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.3.6

Source 1: New Requirement
Source 1 ID: <null>
Paragraph #: <null>
Note: <null>

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Support Obsolescence Review

Requirement Text:

ACMS shall provide the capability to assign, record and display metadata about obsolete parts and their replacements, and to establish a relationship between the obsolete parts, their replacements, and configuration management data.

Resolution Text:

ACMS shall provide the capability to assign, record and display metadata about obsolete parts and their replacements, and to establish a relationship between the obsolete parts, their replacements, and configuration management data.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: NEW REQUIREMENT To: Support Obsolescence Review. ACMS shall provide the capability to assign, record and display metadata about obsolete parts and their replacements, and to establish a relationship between the obsolete parts, their replacements, and configuration management data. Explanation: New requirement added to Configuration Identification section as a result of Tech Loop requirements development (New CM).

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Configuration Audit Requirements

Requirement Text:

Configuration Audit Requirements

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.

Justification Text:

Refer to 3.1.2.2.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.4.1

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0020

Paragraph #: <null>

Note: D

Note: <null>

Category:

Record Configuration Audit Activities

Requirement Text:

ACMS shall support functional, physical, and incremental configuration audits by providing document support (see Appendix D); recording pre-audit schedule, agenda, rules, participation, comments, audit dates, facilities, and assignment of audit actions; tracking the status and results of audit actions; and recording the history of all audit activity.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.4.2

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0021

Paragraph #: <null>

Note: D

Note: <null>

Category:

Create Relationships

Requirement Text:

ACMS shall provide the capability to create relationships between audit actions and its related product structure element or document.

Resolution Text:

Delete.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... actions and its related To: ... actions and their related Explanation:</i>
BDM	Margot Delapp	<i>From: ... To: ... DELETE Explanation: Requirement for relationships between audit actions & related PSE/documents is included in language of 3.1.2.3.4 (C0015). (action #67)</i>

Justification Text:

Accept BDM comment. Duplicate requirement. If Task Force decides to keep, need to incorporate AMCOM's grammatical comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Control Requirements

Requirement Text:

Configuration Control Requirements

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.

Justification Text:

Refer to 3.1.2.2.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.5.1

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0022

Paragraph #: <null>

Note: D

Note: <null>

Category:

Store Baselines

Requirement Text:

ACMS shall provide the capability to store, retrieve, and display configuration baselines (functional baseline, allocated baseline, product baseline, technical baselines, and incremental baselines).

Resolution Text:

ACMS shall provide the capability to create, store, retrieve, and display configuration baselines (functional baseline, allocated baseline, product baseline, technical baselines, and incremental baselines).

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: ... capability to store, To: ... capability to create, store, ... Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.5.2

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0035

Paragraph #: <null>

Note: D

Note: <null>

Category:

Perform Baseline Compare

Requirement Text:

ACMS shall provide the capability to compare multiple views (e.g., CIs, parts, and documents) of baselined documents and identify differences both on-line and in reports.

Resolution Text:

ACMS shall provide the capability to compare multiple views (for example, CIs, product structure elements, and documents) of baselined documents and identify differences both on-line and in reports.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... e.g., CIs , parts, and documents To: ... e.g., CIs, product structure elements, and documents Explanation:

Justification Text:

Accept AMCOM comment. Also, changed e.g., to for example per earlier comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.5.3

Source 1: CM requirements
Source 1 ID: <null>
Paragraph #: C0024
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Record and Review Engineering Change Actions

Requirement Text:

ACMS shall provide the capability to identify, record, retrieve, and display the disposition of proposed change actions, amended or revised proposed change actions, and variances to the configuration documentation and hardware or software configuration.

Resolution Text:

ACMS shall provide the capability to (1) create, assign, record, retrieve, and display the metadata and unique identifiers of proposed engineering change actions, (2) create, assign, record, retrieve, and display the metadata and unique identifiers of amended or revised proposed engineering change actions, (3) record, retrieve, and display the disposition of proposed engineering change actions, and (4) retrieve and display variances to the configuration documentation and hardware or software.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ACMS shall provide the capability to identify, record, retrieve, and display the disposition of proposed change actions, amended or revised change actions, and variances to the configuration documentation and hardware or software configuration.
To: ACMS shall provide the capability to create, assign, record, retrieve, and display the metadata and unique identifiers of proposed change actions, amended or revised proposed change actions, disposition, and variances to the configuration documentation and hardware or software. *Explanation: TACOM to provide words about order of implementation.*

Justification Text:

Accept AMCOM comment with modifications to clarify (????????). The relationship between the verbs and objects needs to be reviewed to determine if the proposed change is what is meant. Also modified the title to "... Engineering Change Action."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.5.4

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0025

Paragraph #: <null>

Note: D

Note: <null>

Category:

Review Change History

Requirement Text:

ACMS shall provide the capability to retrieve and display the history of change actions for a particular product structure element and document.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.5.5

Source 1: CM requirements
Source 1 ID: <null>
Paragraph #: C0026
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Provide CCB Information

Requirement Text:

ACMS shall record, retrieve, and display Configuration Control Board (CCB) information such as membership; members of interfacing activities; all change proposals, their originators, their disposition and the date of disposition; CCB Directives; and descriptions of any action items.

Resolution Text:

ACMS shall record, retrieve, and display Configuration Control Board (CCB) information such as membership; members of interfacing activities; all engineering change actions, their originators, their disposition and the date of disposition; CCB Directives; and descriptions of any action items.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: ...all change proposals To: ... all engineering change actions Explanation: Change proposals are not defined. Engineering change actions can be defined. Need consistent use of terms. Define change proposal or use engineering change action.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.6

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Status Accounting Requirements

Requirement Text:

Status Accounting Requirements

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: These configuration requirements are mostly describing metadata that will need to be defined through user definable objects, attributes (fields) and associated documentation. This functionality will most probably not be available COTS, but can typically be generated within the PDM system without too much customization. The exact implementation of these requirements is not clearly stated but that is perhaps done so intentionally.

Justification Text:

Refer to 3.1.2.2.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.6.1

Source 1: CM requirements
Source 1 ID: <null>
Paragraph #: C0031
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Record Field Configuration

Requirement Text:

ACMS shall provide the capability to record, retrieve, and display "as built" and "as modified" configurations resulting from the installation and removal of assemblies, components, parts, and material whether, serialized or track by lot or batch.

Resolution Text:

ACMS shall provide the capability to record, retrieve, and display "as built" and "as modified" configurations resulting from the installation and removal of assemblies, components, parts, and material whether serialized or tracked by lot or batch.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... whether, serialized or track by lot... To: ... whether serialized or tracked by lot.... Explanation: Grammatical</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	<i>From: ...serialized or track by lot or batch. To: ... serialized or tracked by lot or batch Explanation: Editorial clarification</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.2.6.2

Source 1: CM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0033

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Reports

Requirement Text:

ACMS shall provide reports essential for performing engineering/logistics analysis, configuration baselines, performing comparison analysis, and status of the system configuration throughout the life cycle.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3. 1

Source 1: Tech-Loop requirements
Source 1 ID: <null>
Paragraph #: T0001
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Record Tech Loop Activity

Requirement Text:

ACMS shall provide the capability to record tech loop activities including technical reviewers and electronic authorizations, responsible activity, milestones, action items, and related dates, allowing for multiple parallel processing.

Resolution Text:

ACMS shall provide the capability to record information about tech loop activities including technical reviewers and electronic authorizations, responsible activity, milestones, action items, and related dates, allowing for multiple parallel processing.

COMMENTS:

MSC:

BDM

Reviewer:

Jim Cox

Comments:

From: ... capability to record tech loop activities including ... To: ... capability to record information about tech loop activities including... Explanation: Added the words "information about" to clarify what is being recorded. (T0001)

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3. 2

Source 1: Tech-Loop requirements
Source 1 ID: <null>
Paragraph #: T0002
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Establish TL Identifiers

Requirement Text:

ACMS shall provide the capability to assign, record, and display metadata and unique identifiers for each action routed through the tech loop review (e.g. PRON, top part number, type of procurement, weapon system, first article requirements, serialization requirements, comments, procurement source information, documentation availability/status as it relates to procurement actions, and the AMC/AMSC code, as well as other required attributes from Procurement Work Directive (PWD)).

Resolution Text:

ACMS shall provide the capability to assign, record, and display metadata and unique identifiers for each action routed through the tech loop review (for example, Procurement Request Order Number (PRON), top part number, type of procurement, weapon system, first article requirements, serialization requirements, comments, procurement source information, documentation availability/status as it relates to procurement actions, and the Army Materiel Command/Acquisition Management Systems Control (AMC/AMSC) code, as well as other required attributes from Procurement Work Directive (PWD)).

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Jim Cox	<i>From: ... (e.g. PRON, AMC/AMSC code ... To: ... (e.g. Procurement Request Order Number (PRON), Army Materiel Command/Acquisition Management Systems Control (AMC/AMSC) code ... Explanation: Define acronyms. (T0002)</i>

Justification Text:

Accept. Replaced "e.g., " with "for example."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3. 3

Source 1: Tech-Loop requirements
Source 1 ID: <null>
Paragraph #: T0003
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Record Procurement History Data

Requirement Text:

ACMS shall provide the capability to record, retrieve, reuse, and display the current and all previous tech loop actions.

Resolution Text:

ACMS shall provide the capability to record, retrieve, reuse, and display the workflows and associated data corresponding to the current and all previous tech loop actions.

COMMENTS:

MSC:

BDM

Reviewer:

Jim Cox

Comments:

From: ... ACMS shall provide the capability to record, retrieve, reuse, and display the current and all previous tech loop actions. To: ... ACMS shall provide the capability to record, retrieve, reuse, and display the workflows and associated data corresponding to the current and all previous tech loop actions. Explanation: Clarifying what is being recorded, retrieved, reused, and displayed. (T0003)

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3. 4

Source 1: Tech-Loop requirements
Source 1 ID: <null>
Paragraph #: T0004
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Establish Relationships

Requirement Text:

ACMS shall provide the capability to establish relationships and identify metadata about those relationships between tech loop actions and configuration management data.

Resolution Text:

For requirements pertaining to the relating of configuration management data to tech loop workflows, see requirement 3.1.1.2.1.6, Associate Product Data.

COMMENTS:

MSC:

BDM

Reviewer:

Jim Cox

Comments:

From: ... ACMS shall provide the capability to establish relationships and identify metadata about those relationships between tech loop actions and configuration management data. To: ... For requirements pertaining to the relating of configuration management data to tech loop workflows, see requirement 3.1.1.2.1.6, Associate Product Data. Explanation: In these requirements, I interpret "tech loop actions" as being tech loop workflow triggers. Given this interpretation, this requirement simply wants to be able to "attach" configuration management documents to workflow tasks. Requirement 3.1.1.2.1.6 (with its proposed revision) covers this need. The following provides the proposed wording for 3.1.1.2.1.6. "ACMS shall provide the capability to associate product data with a workflow, save the association, retrieve the workflow and associated product data, and reuse the workflow and associated product data as a new instance of the workflow." (T0004)

Justification Text:

Accept BDM comment to reference existing requirement.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3. 5

Source 1: Tech-Loop requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: T0005

Paragraph #: <null>

Note: D

Note: <null>

Category:

Generate Reports

Requirement Text:

ACMS shall provide the reports essential for performing tech loop reviews including the capability for procurement specific suppressions/omissions.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3. 6

Source 1: Tech-Loop requirements
Source 1 ID: <null>
Paragraph #: T0007
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Compare Baselines

Requirement Text:

ACMS shall provide the capability to compare baselines established as part of a tech loop review and identify differences (see Configuration Control Requirements "Store Baselines" and "Perform Baseline Compare").

Resolution Text:

For requirements pertaining to the capability to compare baselines established as part of a tech loop review and to identify differences, see requirements 3.1.2.5.1, Store Baselines, and 3.1.2.5.2, Perform Baseline Compare.

COMMENTS:

MSC:

BDM

Reviewer:

Jim Cox

Comments:

From: ... ACMS shall provide the capability to compare baselines established as part of a tech loop review and identify differences (see Configuration Control Requirements "Store Baselines" and "Perform Baseline Compare"). To: ... For requirements pertaining to the capability to compare baselines established as part of a tech loop review and to identify differences, see requirements 3.1.2.5.1, Store Baselines, and 3.1.2.5.2, Perform Baseline Compare. Explanation: Recommend referencing requirements where possible rather than duplicating them. (T0007)

Justification Text:

Accept BDM comment to reference existing requirements.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3. 7

Source 1: Tech-Loop requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: T0008

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support DFARS Appendix E Screening

Requirement Text:

ACMS shall provide an automated DFARS Appendix E screening questionnaire to be used during the tech loop review.

Resolution Text:

COMMENTS:

MSC:

BDM

Reviewer:

Jim Cox

Comments:

From: ... To: ... Explanation: Question: What is different about this requirement from 3.2.1.13? Are we asking ACMS to provide the CCSS for DFARS Appendix E capability? For reference, the following is requirement 3.2.1.13. "Interface with CCSS for DFARS Appendix E. ACMS shall be capable of batch loading data from CCSS for DFARS Appendix E Screening Questionnaire." (T0008)

Justification Text:

Unresolved.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3. 8

Source 1: Tech-Loop requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: T0009

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Hazmat Screening

Requirement Text:

ACMS shall provide the capability to assign, record, and display metadata and unique identifiers in support of the hazardous material screening during tech loop review (e.g. electronic bulletin board, status forms, internal messaging, alternate solutions).

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3. 9

Source 1: Tech-Loop requirements
Source 1 ID: <null>
Paragraph #: T0010
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Establish Hazmat Relationships

Requirement Text:

ACMS shall provide the capability to establish relationships between hazardous material data and configuration management data.

Resolution Text:

For requirements pertaining to the capability to relate hazardous material data and configuration management data, see requirement 3.1.1.1.4.8, Relate Product Data.

COMMENTS:

MSC:

BDM

Reviewer:

Jim Cox

Comments:

From: ... To: ... For requirements pertaining to the capability to relate hazardous material data and configuration management data, see requirement 3.1.1.1.4.8, Relate Product Data. Explanation: Recommend referencing requirements where possible rather than duplicating them. (TR0010)

Justification Text:

Accept BDM comment to reference existing requirement.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3.10

Source 1: Tech-Loop requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: New VENUS 1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Attach Documents to Actions

Requirement Text:

ACMS shall provide the ability to attach documents to tech loop actions.

Resolution Text:

For requirements pertaining to the capability to attach documents to tech loop actions, see requirement 3.1.1.2.1.6, Associate Product Data (with a workflow).

COMMENTS:

MSC:

BDM

Reviewer:

Jim Cox

Comments:

From: ... ACMS shall provide the ability to attach documents to tech loop actions.

To: ... For requirements pertaining to the capability to attach documents to tech loop actions, see requirement 3.1.1.2.1.6, Associate Product Data (with a workflow).

Explanation: Recommend referencing requirements where possible rather than duplicating them. Note: This comment presumes that a tech loop action is intended to be a specific type of workflow. If this is wrong, then the comment must be withdrawn or revised. (New VENUS 1)

Justification Text:

Accept BDM comment to reference existing requirement.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3.11

Source 1: Tech-Loop requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: New ARDEC 4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Identify and Link Similar Procurement Actions

Requirement Text:

ACMS shall have the ability to identify and automatically link current procurement requests that have the same part number and GFE/GFM suppressions.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.1.3.12

Source 1: Tech-Loop requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: New VENUS 2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Bundle Procurement Requests

Requirement Text:

ACMS shall have the ability to search, group and process as a single procurement action, procurement requests, based on user defined attributes.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Interface Requirements

Requirement Text:

This section presents the following types of interface requirements: a. External interface requirements specify external items with which ACMS must interact. b. Internal interface requirements define the interconnection of functions of functional areas within the sytem. c. User interface requirements specify or constrain content, formats, timing, and other factors associated with the interaction between ACMS and the user.

Resolution Text:

This section presents the following types of interface requirements: a. External interface requirements specify external systems with which ACMS must interact. b. Internal interface requirements define the interconnection of functions of functional areas within the sytem. c. User interface requirements specify or constrain content, formats, timing, and other factors associated with the interaction between ACMS and the user.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	From: ... external items with ... To: ... external systems with ... Explanation:

Justification Text:

Accept. Replace "items" with "systems."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1. 1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Process Data Information Packets

Requirement Text:

For requirements pertaining to exchanging MIL-STD-2549 Data Information Packets, see Section 3.1.2.1.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1. 2

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P5.1
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Send E-Mail

Requirement Text:

ACMS shall provide the capability to send system (including automatic generation of event triggered messages) and user electronic messages to multiple recipients who are either internal or external to the system using SMTP for the external interfaces.

Resolution Text:

ACMS shall provide the capability to send system (including automatic generation of event triggered messages) and user electronic messages to multiple recipients who may or may not be ACMS users, using Simple Mail Transport Protocol (SMTP) for the interfaces to the systems of non-ACMS users. This capability may be implemented as an inherent feature of the system or as a launched application depending on system design.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ...To: Move to 3.2.2 Explanation: See Para 3.2.2 comments.</i>

Justification Text:

Accept AMCOM comment to 3.2.2 with modification, but please don't move this requirement. This is fundamentally an external interface requirement.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1. 3

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P6.1.2
Note: I

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Provide Generic API

Requirement Text:

ACMS shall provide a generic API that allows external applications to invoke selected ACMS functions to include retrieving product data. Examples of external applications that might invoke ACMS functions include: AutoCAD, CADD5, CADAM, CATIA, UG, HPME30, Pro/Engineer, I-DEAS, CADENCE, Interleaf, MS Word, WordPerfect, Microstation, Excel, OrCad, CAM 350, Anvil, Mentor, EMS, MS Project, and MS Power Point. (This requirement should be tailored by the implementing command at the time of acquisition.)

Resolution Text:

ACMS shall provide a generic Application Program Interface (API) that allows external applications to invoke selected ACMS functions to include retrieving product data. Examples of external applications that might invoke ACMS functions include: AutoCAD, CADD5, CADAM, CATIA, UG, HPME30, Pro/Engineer, I-DEAS, CADENCE, Interleaf, MS Word, WordPerfect, Microstation, MS Excel, OrCad, CAM 350, Anvil, Mentor, EMS, MS Project, and MS Power Point. (This requirement should be tailored by the implementing command at the time of acquisition.)

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	From: ...To: Remove (this requirement should be tailored by the implementing command at the time of acquisition). Explanation: This information belongs in Section 6.
AMSAA	Gordon Ney	(PART 1) From: ...generic API To: ...generic Application Program Interface (API) Explanation: First occurrence of acronym (PART 2) From: ...Excel To: ... MS Excel Explanation: Consistent label of MS products, you might consider grouping all MS products together

Justification Text:

Recommend partial acceptance of AMCOM comment. Suggest we leave the parenthetical remark, so readers are not confused by the variety of applications listed. Also suggest we add a table in Section 6 to identify all those requirements that have been specifically

identified as needing to be tailored. Recommend accepting AMSAA comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1. 4

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P6.1.5
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Interface with External Systems

Requirement Text:

ACMS shall provide the capability to exchange product data with JEDMICS and other repositories, PDM systems, configuration management systems, and CITIS systems to include the following: TBD.

Resolution Text:

Delete

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... To: Remove this requirement. Explanation: Per agreement at STRICOM meeting.</i>
BDM	Sandy Santa Cruz	<i>From: ... to exchange product data with ... To: ... to exchange product data, including metadata, with ... Explanation: This change emphasizes that metadata is part of product data and ensures that the requirement formerly provided by 3.2.1.6 is retained and unambiguous. (action #77)</i>

Justification Text:

Accept AMCOM comment with question. Are we saying that requirements 3.2.1.7 through 3.2.1.20 replaces this requirement?

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1. 5

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P8.8.1
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Launch Applications

Requirement Text:

ACMS shall provide the capability to incorporate triggers that result in launching user applications based on events, user actions, or times. Applications that might be launched from ACMS include the following: AutoCAD, CADD5, CADAM, CATIA, UG, HPME30, Pro/Engineer, I-DEAS, CADENCE, Interleaf, MS Word, WordPerfect, Microstation, Excel, OrCad, CAM 350, Anvil, Mentor, EMS, MS Project, and MS Power Point. (This requirement should be tailored by the implementing command at the time of acquisition.)

Resolution Text:

ACMS shall provide the capability to incorporate triggers that result in launching user applications based on events, user actions, or times. Applications that might be launched from ACMS include the following: Adobe Acrobat and Acrobat reader, AutoCAD, CADD5, CADAM, CATIA, UG, HPME30, Pro/Engineer, I-DEAS, CADENCE, Interleaf, MS Word, WordPerfect, Microstation, MS Excel, OrCad, CAM 350, Anvil, Mentor, EMS, MS Project, and MS Power Point. (This requirement should be tailored by the implementing command at the time of acquisition.)

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: To: Remove (this requirement should be tailored by the implementing command at the time of acquisition). Explanation: This information belongs in Section 6.</i>
AMSAA	Gordon Ney	<i>(PART 1) From: ... To: ... Add Adobe Acrobat and Acrobat reader Explanation: Used at all sites (List of Launch Applications) (PART 2) From: ...Excel To: ... MS Excel Explanation: Consistent label of MS products, you might consider grouping all MS products together</i>
<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>

ACMS Requirements Review

19-Feb-98

BDM

Sandy Santa Cruz

*From: ... Applications that might launched from ... To: ... Applications that might
be launched from ... Explanation: add the word "be"*

Justification Text:

Recommend partial acceptance of AMCOM comment. Suggest we leave the parenthetical remark, so readers are not confused by the variety of applications listed. Also suggest we add a table in Section 6 to identify all those requirements that have been specifically identified as needing to be tailored. Accept AMSSA and BDM comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1. 6

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P8.8.3
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Share Metadata

Requirement Text:

ACMS shall provide the capability to share ACMS controlled metadata with other systems.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ...To: This paragraph has moved within the functional requirements structure from system administrator capabilities to interfaces what is its functional intent?</i> <i>Explanation:</i>
BDM	Sandy Santa Cruz	<i>From: ...To: ... DELETE Explanation: This requirement is a duplicate with P6.1.5. Metadata is included in the definition of product data. P6.1.5 is more detailed regarding the other systems. (action #77)</i>

Justification Text:

Accept BDM comment. We felt the functional intent of 3.2.1.6 was covered by 3.2.1.4. If 3.2.1.4 is fully covered by 3.2.1.7 through 3.2.1.20, then this broad requirement is not needed.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1. 7

Source 1: Datacall requirements
Source 1 ID: <null>
Paragraph #: D0018
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Interface with Oracle-Based Repositories

Requirement Text:

ACMS shall be capable of interfacing with repositories running Oracle.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment. Also note the following comment from Paul Behrens: "Change to External interface to Relational Databases. Ability to establish secure ODBC and/or JDBC connections to external vaults."

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1. 8

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0020

Paragraph #: <null>

Note: D

Note: <null>

Category:

Interface with MEARS

Requirement Text:

ACMS shall be capable of dynamic interface with MEARS to exchange engineering change actions and associated metadata.

Resolution Text:

ACMS shall be capable of dynamic interface (see Appendix D) with MEARS to exchange engineering change actions and associated metadata.

COMMENTS:

MSC:

Reviewer:

Comments:

AMSAA	Gordon Ney	<p>(PART 1) From: ...dynamic interface To: ... dynamic interface (see Appendix D) Explanation: Highlight that the definition is in appendix D for clarification</p> <p>(PART 2) From: ...engineering change actions To: ... "change actions" or keep as "engineering change actions" Explanation: The definitions of engineering change display, and change action in the glossary are not used consistently within the body of the document. The term engineering change action is used extensively and never defined. Suggest that you define the term or use the definitions similar to the terms below. Suggest that we use the terms consistently. One approach would be to use the following definitions and apply consistently through out the document. It would be nice to use definitions with an existing source, like 2549, 61 or 649. ECP and Engineering Change are defined in MIL-STD-2549. Memory fades, I thought that we were going to use the term engineering change action as a defined term to address what you have under change action. Is there a difference between an engineering change action and a change action? If you can come up with a better approach then use it, just be consistent in the application of the approach. Engineering Change action Modification of a product, the data and metadata related to the product. Engineering Change action examples include engineering change proposals, and deviations. Note: deletion of waivers. Engineering Change Action Display A predefined electronic display that represents a form and is created in ACMS to facilitate description and review of an engineering change action. Engineering Change Proposal (ECP) The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval. Engineering Change A change to the current approve configuration documentation of a configured item. This is a specific occurrence of engineering change action . Suggest a global search for this term 58 other occurrences include: 3.2.1.9, 3.2.1.10, A.2.5, B.1.1.3, B.1.2 (5 times), B.1.3 (4 times), B.1.4 (5 times), B.1.5 (2 times), B.2.1.1, B.2.1.2.1, B.2.1.2.7 (5 times), B.2.2.2.1, C.3 ((5 times), C.3.1 (4 times), C.3.2 (3 times), C.3.3 (10 times), C.3.4 (5 times), C.3.5 (3 times)</p>
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MSC:	Reviewer:	Comments:
CIMData	Alan Mendel	<p>From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.</p>

Justification Text:

ACMS Requirements Review

19-Feb-98

Accept AMSAA PART 1 comment. Retain "engineering change actions" in response to AMSAA's PART 2 comment. Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1. 9

Source 1: Datacall requirements
Source 1 ID: <null>
Paragraph #: D0020-1
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Interface with ECALS

Requirement Text:

ACMS shall be capable of dynamic interface with ECALS to exchange engineering change actions and associated metadata.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.10

Source 1: Datacall requirements
Source 1 ID: <null>
Paragraph #: D0020-2
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Interface with CARS

Requirement Text:

ACMS shall be capable of dynamic interface with CARS to exchange engineering change actions and associated metadata.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.11

Source 1: Datacall requirements
Source 1 ID: <null>
Paragraph #: D0021
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Interface with PC-JEDMICS

Requirement Text:

ACMS shall be capable of dynamic interface with PC-JEDMICS.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.12

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0021-NEW1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Interface with CCSS 404

Requirement Text:

ACMS shall be capable of batch loading data from the CCSS 404 application.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.13

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0021-NEW2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Interface with CCSS for DFARS Appendix E

Requirement Text:

ACMS shall be capable of batch loading data from CCSS for DFARS Appendix E Screening Questionnaire.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.14

Source 1: Datacall requirements
Source 1 ID: <null>
Paragraph #: D0021-NEW3
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Interface with CCSS for Sector 2800

Requirement Text:

ACMS shall be capable of batch loading data to/from CCSS for Sector 2800.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.15

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0021-NEW4

Paragraph #: <null>

Note: D

Note: <null>

Category:

Interface with CCSS for Competition Management

Requirement Text:

ACMS shall be capable of batch loading data from CCSS for Competition Management.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.16

Source 1: Datacall requirements
Source 1 ID: <null>
Paragraph #: D0021-NEW5
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Interface with Flight Safety

Requirement Text:

ACMS shall be capable of batch loading data from Flight Safety.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	<i>From: ...Flight Safety. To: ... various Flight Safety sources. Explanation: I do not know the intent here. We may want to list some, most, or all (?) of the Flight Safety sources. You might check with AMCOM or Jim Rickenbaugh</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
CIMData	Alan Mendel	<i>From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.</i>

Justification Text:

Recommend Rejecting AMSAA comment pending review by AMCOM. Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.17

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0021-NEW6

Paragraph #: <null>

Note: D

Note: <null>

Category:

Interface with Information Handling Services (IHS)

Requirement Text:

ACMS shall be capable of batch loading metadata from Information Handling Services (IHS).

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.18

Source 1: Datacall requirements
Source 1 ID: <null>
Paragraph #: D0021-NEW7
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Interface with JCALS Workflow Manager

Requirement Text:

ACMS shall be capable of a dynamic interface with JCALS Workflow Manager.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.19

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0021-NEW8

Paragraph #: <null>

Note: D

Note: <null>

Category:

Interface with JEDMICS

Requirement Text:

ACMS shall be capable of dynamic interface with JEDMICS.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.20

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0021-NEW9

Paragraph #: <null>

Note: D

Note: <null>

Category:

Interface with Field and Depot Maintenance Systems

Requirement Text:

ACMS shall be capable of interfacing/batch loading field and depot maintenance data systems/data. An example is the Aviation Maintenance Data Management System.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

From: ... To: ... Explanation: Additional details regarding the desire level of integration will be necessary before COTS vendor will be able to respond to these requirements. Outside of a generic ODBC driver to access commercial databases such as Oracle, COTS PDM systems will need to be interfaced or integrated with these external systems. The detailed specification for the integrations will need to be defined. It would be best if those integrations were standardized across the Army commands rather than each one defining their own.

Justification Text:

Note CIMdata comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.21

Source 1: New Requirement (ARDEC)
Source 1 ID: <null>
Paragraph #: <null>
Note: <null>

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Update PASS

Requirement Text:

ACMS shall provide the ability to update the Procurement Aging and Staging system (PASS) at pre-determined processing points.

Resolution Text:

ACMS shall provide the ability to update the Procurement Aging and Staging system (PASS) at pre-determined processing points.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: NEW REQUIREMENT To: Update PASS. ACMS shall provide the ability to update the Procurement Aging and Staging System (PASS) at pre-determined processing points. Explanation: New requirement added to Interface section as a result of Tech Loop requirements development (New ARDEC 2).

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.1.22

Source 1: New Requirement (ARDEC)
Source 1 ID: <null>
Paragraph #: <null>
Note: <null>

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Interface with TACOM/ARDEC EDMC Viewer

Requirement Text:

ACMS shall be capable of dynamic interface with the TACOM/ARDEC EDMC Viewer.

Resolution Text:

ACMS shall be capable of dynamic interface with the TACOM/ARDEC EDMC Viewer.

COMMENTS:

MSC:

Reviewer:

TACOM (ARDEC Sandy Medor

Comments:

From: ...NEW REQUIREMENT To: ... Interface with the TACOM/ARDEC EDMC Viewer. ACMS shall be capable of dynamic interface with the TACOM/ARDEC EDMC Viewer. Explanation: As per VTC 2/6, please add this interface to interface requirements.

Justification Text:

Accept. Need definition for the acronym of this and other systems in this section.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Internal Interface Requirements

Requirement Text:

No internal interface requirements have been specified for the ACMS. All internal interfaces are left to the design or to requirement specifications for ACMS components.

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: Remove current words. To: ACMS shall provide the capability to send system (including automatic generation of event triggered messages) and user electronic messages to multiple recipients who are either internal or external to the system using SMTP for the external interfaces. This requirement may be either internal to the system or external and launched from within the system depending upon the design requirements of the system. Explanation:

Justification Text:

Partially accept AMCOM comment. See 3.2.1.2 where the changes are incorporated with modifications.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.3.1

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P10.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide On-Line Help

Requirement Text:

The ACMS user interface shall provide context sensitive, on-line help to users

Resolution Text:

The ACMS user interface shall provide context-sensitive, indexed, and searchable on-line help to users.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... context-sensitive, on-line help To: ... context-sensitive, indexed, searchable help Explanation:

Justification Text:

Accept AMCOM comment with modifications to incorporate 3.2.3.2 which is then to be deleted.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.3.2

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P10.2

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Help Search

Requirement Text:

The ACMS user interface shall provide interactive help to users, via searching on key words.

Resolution Text:

Delete

COMMENTS:

MSC:

BDM

Reviewer:

Sandy Santa Cruz

Comments:

From: ... via searching on key words. To: ... via indexing and searching on key words. Explanation: Incorporates the notion of help index taken from 3.2.3.4 which is recommended for deletion. (action #79)

Justification Text:

Delete given proposed changes to 3.2.3.1.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.3.3

Source 1: PDM requirements
Source 1 ID: <null>
Paragraph #: P10.3
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Provide On-Line Documentation

Requirement Text:

The ACMS user interface shall provide users the ability to view system documentation on-line.

Resolution Text:

The ACMS user interface shall provide users the ability to view ACMS documentation on-line, such as, user and administrator manuals.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	<i>From: ...users the ability to view system documentation To: ... users the ability to view ACMS documentation Explanation: Editorial Clarification</i>
BDM	Sandy Santa Cruz	<i>From: ... view system documentation on-line. To: ... view system documentation on-line, such as, user and administrator manuals. Explanation: add "user and administrator manuals" to the end of the requirement. (action #79)</i>

Justification Text:

Accept combined AMSAA and BDM comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.3.4

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0015

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Context-Sensitive, Indexed, and Searchable Help

Requirement Text:

ACMS shall include automated HELP mechanisms that are context-sensitive, indexed, and searchable.

Resolution Text:

Delete

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: ... To: ... Remove the requirement. Explanation: Same as Para 3.2.3.1.

MSC:

Reviewer:

Comments:

BDM

Sandy Santa Cruz

From: ... To: ... DELETE Explanation: This requirement is a duplicate of P10.1 and P10.2 particularly after 3.2.3.2 is modified as proposed. (action #79)

Justification Text:

Delete given proposed changes to 3.2.3.1 and AMCOM and BDM comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.3.5

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0016

Paragraph #: <null>

Note: D

Note: <null>

Category:

Include Help Table of Contents, Examples, and Demos

Requirement Text:

ACMS HELP shall include a Table of Contents, Examples, Demonstrations, and on-line user and administrator manuals.

Resolution Text:

ACMS shall provide on-line help that includes a Table of Contents, Examples, and Demonstrations.

COMMENTS:

MSC:

BDM

Reviewer:

Sandy Santa Cruz

Comments:

*From: ... ACMS HELP shall include a Table of Contents, Examples, Demonstrations, and on-line user and administrator manuals. To: ... ACMS shall provide on-line help that includes a Table of Contents, Examples, and Demonstrations.
Explanation: End requirement with Demonstrations. Add the remainder of the sentence to the end of requirement 3.2.3.3 (P10.3). Changed the lead-in for stylistic consistency. (action #79)*

Justification Text:

Accept. Eliminating overlap.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.3.6

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P11.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Graphical User Interface

Requirement Text:

The predominate ACMS user interface shall be a graphical user interface.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.2.3.7

Source 1: PDM requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: P12.1

Paragraph #: <null>

Note: D

Note: <null>

Category:

Provide Web-Browser Interface

Requirement Text:

ACMS shall provide a web-browser user interface with full functionality.

Resolution Text:

COMMENTS:

MSC:

CIMData

Reviewer:

Alan Mendel

Comments:

*From: ... ACMS shall provide a web-browser user interface with full functionality.
To: ... ACMS shall provide a web-browser user interface. It is desired that over time full functionality is available through the web. Explanation: Full functionality is not widely provided as of yet. Yet all vendors are currently working on delivering full functionality through the web.*

Justification Text:

Note CIMdata comment. Should this be designated as a long-term requirement in Section 6?

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.1

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0011

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support User with Basic PC and ACMS Skills

Requirement Text:

ACMS will be operated by users who have basic PC skills, including familiarity with their target operating systems such as Windows or UNIX, and have attended ACMS training. Users will be expected to have skills consistent with the role to which they are assigned. For example, a Configuration Management Specialist will be knowledgeable in Configuration Management theory.

Resolution Text:

Delete

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ...To: Move this information to Section 6. Explanation:

Justification Text:

Accept with recommendation to move to 1.2.4 instead of section 6. See example in 98feb23/perfspec.doc, paragraph 1.2.4, last paragraph.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.2

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0012

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Competent Administrators

Requirement Text:

ACMS will be administered by users who have competency in their target operating systems, database administration, and performance tuning.

Resolution Text:

Delete

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

From: ...To: Move this information to Section 6. Explanation

Justification Text:

Accept with recommendation to move to 1.2.4 instead of section 6. See example in 98feb23/perfspec.doc, paragraph 1.2.4, last paragraph.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.3

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0013

Paragraph #: <null>

Note: D

Note: <null>

Category:

Require Minimal Basic Training

Requirement Text:

Training of a basic ACMS user shall require no more than three work days. The basic user will be able to sign on to the system, navigate product structures, locate and retrieve data, and execute tasks received from a workflow.

Resolution Text:

Training of a basic ACMS user shall require no more than three work days. After training, the basic user should be able to sign on to the system, navigate product structures, locate and retrieve data, and execute tasks received from a workflow.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: ... three work days. The basic user will be able... To: ... three work days.
After training, the basic user should be able ... Explanation:*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.4

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0014

Paragraph #: <null>

Note: D

Note: <null>

Category:

Require Minimal Administrative Training

Requirement Text:

Training in administration of ACMS shall require no more than 10 work days. This training shall encompass all functionality available to administrative users.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.5

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0017

Paragraph #: <null>

Note: T

Note: <null>

Category:

Require Minimal Downtime

Requirement Text:

ACMS shall require no more than 4 hours a week of scheduled administrative downtime for routine maintenance and backup activities.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.6

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0026

Paragraph #: <null>

Note: T

Note: <null>

Category:

Require Minimal Restoration Time

Requirement Text:

ACMS restorations from backups shall take no longer than TBD hours given a database of TBD records.

Resolution Text:

ACMS restorations from backups shall take no longer than 40 hours given a database of 11 million records.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... longer than TBD hours given a database of TBD records. To: ... longer than 40 hours given a database of 11million records. Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.7

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0024

Paragraph #: <null>

Note: T

Note: <null>

Category:

Meet Performance Goals

Requirement Text:

ACMS shall demonstrate the following performance characteristics on stored data that is isolated from the organization's general purpose wide area network: Product Structure Navigation - 1 second, Internally retrieve/view simple documents - 5 seconds, Internally retrieve/view raster dwgs - 5 seconds, Internally retrieve/view engineering models - 5 seconds, Change data object attributes - 1 second, System Navigation - 1 second, Simple Queries - 1 second, and Complex Queries - 5 seconds.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.8

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0025

Paragraph #: <null>

Note: D

Note: <null>

Category:

Refresh Distributed Data

Requirement Text:

ACMS shall provide the capability to refresh distributed data records based on system administrator-specified frequencies, but not less than on a daily basis.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.8-1

Source 1: New Requirement
Source 1 ID: <null>
Paragraph #: <null>
Note: <null>

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Generate Reports

Requirement Text:

Resolution Text:

ACMS shall demonstrate the ability to process and display the following Army reports in the times specified (Report Type-- Number of Documents/Parts, Time) a. Generation Breakdown List-- TBD, TBD; b. Procurement Technical Data Package List-- TBD, TBD; c. CM Technical Data Package List-- TBD, TBD; d. Engineering Data List-- TBD, TBD; and e. Parts List-- TBD, TBD.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... New Requirement To: ... ACMS shall demonstrate the ability to process and display the following Army reports in the times specified:

Report Type	Number of Documents/Parts	Time	Generation Breakdown
List	TBD	TBD	Procurement Technical
Data	TBD	TBD	Package List
Technical Data Package	TBD		CM
List		TBD	TBD
Engineering Data List		TBD	
Parts List		TBD	
TBD	Explanation:		

Justification Text:

Accept AMCOM's new requirement. Will require proper formatting when entered into the document.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.3.9

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: C0036

Paragraph #: <null>

Note: T

Note: <null>

Category:

Be Year 2000 Compliant

Requirement Text:

ACMS shall be Year 2000 compliant.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.1.1

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0001

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Client Workstation: Platform Type

Requirement Text:

ACMS shall be capable of providing client functionality and performance as described in this specification on the following platforms: IBM compatible PCs running MS Windows 3.x, 95, and NT operating systems; Silicon Graphics workstations running UNIX/IRIX; Sun workstations running Solaris; HP/Apollo workstations running HP-UX; Macintosh; Intergraph workstations running CLIX; and X-Terminals running under IRIX/UNIX/Solaris operating systems.

Resolution Text:

ACMS shall be capable of providing client functionality and performance as described in this specification on the following platforms: IBM compatible PCs running MS Windows 3.x, 95, and NT operating systems; Silicon Graphics workstations running UNIX/IRIX; Sun workstations running Solaris; HP/Apollo workstations running HP-UX; Macintosh; Intergraph workstations running CLIX; and X-Terminals running under IRIX/UNIX/Solaris operating systems. (This requirement should be tailored by the implementing command at the time of acquisition.)

COMMENTS:

MSC:

BDM

Reviewer:

Sandy Santa Cruz

Comments:

From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation: Requirement is implementation/site specific. (action #87)

Justification Text:

Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.1.2

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0002

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Client Workstation: Minimum Memory

Requirement Text:

ACMS shall be capable of providing client functionality and performance as described in this specification on platforms with at least 100 MBytes of disk storage and at least 32 MBytes of RAM.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.1.3

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0003

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Client Workstation: Minimum Processor Speed

Requirement Text:

ACMS shall be capable of providing client functionality and performance as described in this specification on platforms with processor speeds of at least 90 MHz.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.2.1

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0004

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Network Protocols

Requirement Text:

ACMS shall be capable of operating in a client-server Ethernet networked environment using TCP/IP, NFS, or IPX/SPX.

Resolution Text:

ACMS shall be capable of operating in a client-server Ethernet networked environment using TCP/IP, NFS, or IPX/SPX. (This requirement should be tailored by the implementing command at the time of acquisition.)

COMMENTS:

MSC:

Reviewer:

Comments:

BDM

Sandy Santa Cruz

From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation: Requirement is implementation/site specific. (action #87)

MSC:

Reviewer:

Comments:

CIMData

Alan Mendel

From: ... To: ... Explanation: Combination could restrict the COTS available.

Justification Text:

Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.2.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Support Network Operating Systems

Requirement Text:

ACMS shall be capable of operating in a client-server Windows NT, Banyan Vines, or Novell networked environment.

Resolution Text:

ACMS shall be capable of operating in a client-server Windows NT, Banyan Vines, or Novell networked environment. (This requirement should be tailored by the implementing command at the time of acquisition.)

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Sandy Santa Cruz	<i>From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation: Requirement is implementation/site specific. (action #87)</i>

Justification Text:

Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.2.3

Source 1: Datacall requirements
Source 1 ID: <null>
Paragraph #: D0006
Note: A

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Support Maximum Number of Users

Requirement Text:

ACMS shall be capable of supporting up to 4,000 users total and up to 500 users simultaneously at any one implementation.

Resolution Text:

ACMS shall be capable of supporting up to 4,000 users total and up to 500 users simultaneously at any one implementation. (This requirement should be tailored by the implementing command at the time of acquisition.)

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Sandy Santa Cruz	<i>From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation: Requirement is implementation/site specific. (action #87)</i>

Justification Text:

Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.3.1

Source 1: Datacall requirements
Source 1 ID: <null>
Paragraph #: D0007
Note: D

Source 2: <null>
Source 2 ID: <null>
Paragraph #: <null>
Note: <null>

Category:

Support Server: Platform Types

Requirement Text:

ACMS server software shall be capable of operating on the following platforms: Sun workstations running UNIX; Silicon Graphics workstations running UNIX; IBM Compatible Pentium PCs running Windows NT Server; and Hewlett Packard HP9000/800 K Series running HP-UX.

Resolution Text:

ACMS server software shall be capable of operating on the following platforms: Sun workstations running UNIX; Silicon Graphics workstations running UNIX; IBM Compatible Pentium PCs running Windows NT Server; and Hewlett Packard HP9000/800 K Series running HP-UX. (This requirement should be tailored by the implementing command at the time of acquisition.)

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Sandy Santa Cruz	<i>From: ... To: ... (add to current requirement) This requirement should be tailored by the implementing command at the time of acquisition. Explanation: Requirement is implementation/site specific. (action #87)</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
CIMData	Alan Mendel	<i>From: ... To: ... Explanation: Combination could restrict the COTS available.</i>

Justification Text:

Accept BDM comment and also put this requirement in a new section 6 table of specific requirements to be tailored.

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.3.2

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0008

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Server: Minimum Disk Space

Requirement Text:

ACMS server software shall be capable of operating on platforms with disk storage of at least 35 GBytes, excluding data file storage requirements.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.3.3

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0009

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Server: Minimum RAM

Requirement Text:

ACMS server software shall be capable of operating on platforms with RAM of at least 2.1 GBytes.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 3.4.3.4

Source 1: Datacall requirements

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: D0010

Paragraph #: <null>

Note: D

Note: <null>

Category:

Support Server: Minimum Processor Speed

Requirement Text:

ACMS server software shall be capable of operating on platforms with aggregate processing speeds of at least 800 MHz.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Verification

Requirement Text:

Verification

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 4.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Verification

Requirement Text:

Verification Methods

Resolution Text:

COMMENTS:

MSC:

Reviewer:

Comments:

ACMS Requirements Review

19-Feb-98

AMCOM	G Booker/C Crawford	<p>(PART 1)...From: Each requirement will be verified. Methods used to verify ACMS requirements will include demonstration, inspection, analysis, and test as described below. All data resulting from these verifications will be made available to the Government for review upon request. To: Each requirement shall be verified. Methods used to verify ACMS requirements shall include test, evaluation, and analysis as described below. Explanation: We believe these test methods more accurately reflect the test methods that will be used by the government. The last sentence is CDRL info. (PART 2)...From: Demonstration, Inspection, Analysis, Test To: Test (T). Verification by test involves confirming that a requirement is met by operating the system, or part of the system, using a specific set of conditions, observing the system's operation and recording the success or failure. Detailed test procedures shall be prepared to test each ACMS requirement. Requirements may be combined into logical groupings to test multiple requirements in a single procedure. The last steps of the procedure may include evaluation of the output (or results) generated as part of the test procedure. This evaluation shall be procedure specific and not a combination of procedures. Evaluation (E). Verification by evaluation involves review of documentation and a value assessment of training. Evaluation via document review includes examination of descriptive documents to ensure what is described is what is required. Descriptive documents can include, but are not limited to, requirements documents, design documents, concept of operation and scenario documents, and graphical, management and analysis outputs from Computer Assisted Software Engineering (CASE) tools. Evaluation of training shall include user feedback and tests of users to determine their level of expertise on the system. Analysis (A). Verification by analysis is accomplished by processing accumulated data obtained during controlled operation of the system during other verification methods. Analysis includes conclusions drawn from quantitative results, modeling based on system design and performance, and the extension of test-produced data to untested conditions. Analysis results shall be compiled into a single comparative report. Explanation:</p>
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MSC: AMSAA	Reviewer: Gordon Ney	Comments: <p>From: ... Demonstration (D). without recording quantitative data. To: ... Demonstration (D). without recording quantitative data. Actual operation in specific scenarios, that is a full demonstration test. Explanation: Demonstration may also include operational testing, that is users demonstrate the system with real data under real conditions that simulate operational conditions. Test plans are needed to define these scenarios.</p>
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Justification Text:

ACMS Requirements Review

19-Feb-98

Not resolved. Need to discuss comments with AMCOM.

ACMS Requirements Review

19-Feb-98

Requirement ID: 4.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Verification

Requirement Text:

ACMS Verification Requirements (Table 4-1)

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: ... To: Update the requirements based on revisions submitted against
Section 3. Explanation:*

Justification Text:

Not resolved. Need to discuss comments with AMCOM.

ACMS Requirements Review

19-Feb-98

Requirement ID: 4.2-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Verification

Requirement Text:

Verification Method (column in Table 4-1)

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... To: All requirements will be verified using the "Test" method except for the following:3.2.3.1

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

PACKAGING

Requirement Text:

PACKAGING

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 5.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Packaging

Requirement Text:

For acquisition purposes, the packaging requirements shall be as specified in the contract or order (see 6.2). When actual packaging of materiel is to be performed by DoD personnel, these personnel need to contact the responsible packaging activity to ascertain requisite packaging requirements. Packaging requirements are maintained by the Inventory Control Point's packaging activity within the Military Department or Defense Agency, or within the Military Department's System Command. Packaging data retrieval is available from the managing Military Department's or Defense Agency's automated packaging files, CD-ROM products, or by contacting the responsible packaging activity

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... To: *Is this boilerplate verbage? If not, there are no packaging requirements for this system and this section should be removed.* Explanation:

Justification Text:

Verbage is required boilerplate from MIL-STD-961D.

ACMS Requirements Review

19-Feb-98

Requirement ID: 6

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

NOTES

Requirement Text:

This section contains information of a general or explanatory nature which may be helpful, but is not mandatory.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Intended Use

Requirement Text:

Appendix A, ACMS Concept Overview, provides information relative to the nature and roles of the ACMS. Appendix B, ACMS Support of Weapon Systems and Data Life Cycles, and Appendix C, ACMS Support to Selected Business Processes, provide information relative to the use of the ACMS.

Resolution Text:

Appendix A, ACMS Concept Overview, provides information relative to the nature and roles of the ACMS. Appendix B, ACMS Support of Army Product and Data Life Cycles, and Appendix C, ACMS Support to Selected Business Processes, provide information relative to the use of the ACMS.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

Give the intended use of the specification.

Justification Text:

Recommend rejecting per MIL-STD-961D, paragraph 5.3.6.3: "Intended use. Information relative to the use of the item covered by the specification shall be included under this heading as 6.1. The difference among types, grades, and classes in the specification shall be explained herein. If there are any particular applications for which the item or material is not well adapted, this information shall also be included." Replaced "Weapon Systems" with "Army Product" per AMCOM comment on 1.2.5-15.

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Acquisition Requirements

Requirement Text:

Acquisition Requirements.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.2.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Acquisition Document Requirements

Requirement Text:

Acquisition documents must specify the following:

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.2.1-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Acquisition Document Requirements

Requirement Text:

a. Title, number, and date of the specification.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.2.1-2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Acquisition Document Requirements

Requirement Text:

b. Issue of DoDISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.2 and 2.3).

Resolution Text:

b. Issue of DoDISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.2.1).

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	Delete 2.2 and 2.3 and substitute 2.2.1.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.2.1-3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Acquisition Document Requirements

Requirement Text:

c. Packaging requirements (see 5.1).

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.2.1-4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Acquisition Document Requirements

Requirement Text:

d. Statements requiring that current technologies provide the basis for the initial ACMS implementation, that the vendor presents a strategy for integrating new and improved technologies, and that the vendor plans for technology refresh in future ACMS releases.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.2.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Implementation Strategy

Requirement Text:

Table 6-1 lists the ACMS requirements considered to be long-term requirements. These requirements may be deferred in the initial local ACMS implementations. However, it is expected that these requirements will be satisfied by the year 2002 in order to meet Army digitization goals.

Resolution Text:

Table II lists the ACMS requirements considered to be long-term requirements. These requirements may be deferred in the initial local ACMS implementations. However, it is expected that these requirements will be satisfied by the year 2002 in order to meet Army digitization goals. Table III lists specific ACMS requirements that should be tailored by the implementing command at the time of acquisition.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	(PART 1)...From: Long-Term RequirementsTo: Long -Term Implementation Strategy Explanation: (PART 2)...From: Table 6-1 lists the ACMS requirements considered to be long-term requirements. To: Table 6-1 lists ACMS requirements previously cited in this specification that may be considered for long-term implementation. Explanation: (PART 3)...From: Long-Term ACMS Requirements To: Long-Term Implementations Explanation:

Justification Text:

Accept AMCOM comment with modification in order to satisfy the intent of comment G-28. Also refer to 3.2.1.3. Added Table III and changed Table 6-1 to Table II per an earlier comment. Table II will be titled, Long-Term Implementations, per AMCOM comment. Table III will be titled, Tailorable Implementations.

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Definitions

Requirement Text:

Appendix D, Glossary, contains an alphabetical listing of the acronyms and terms used in this specification.

Resolution Text:

Appendix D, Glossary, contains an alphabetical listing of the terms used in this specification. Appendix E, Acronyms, lists the acronyms.

COMMENTS:

MSC:

Reviewer:

Comments:

AMCOM

G Booker/C Crawford

*From: ... listing of the acronyms and termsTo: ... listing of the terms....
Explanation:*

Justification Text:

Accept AMCOM comment and extend.

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Subject Term (Key Word) Listing

Requirement Text:

Subject Term (Key Word) Listing.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.4-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Subject Term (Key Word) Listing

Requirement Text:

Configuration Management

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.4-2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Subject Term (Key Word) Listing

Requirement Text:

Engineering Data Management

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.4-3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Subject Term (Key Word) Listing

Requirement Text:

Product Data Management

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.4-4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Subject Term (Key Word) Listing

Requirement Text:

Tech Loop

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.4-5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Subject Term (Key Word) Listing

Requirement Text:

Workflow Management

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.5

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Changes From Previous Issue

Requirement Text:

The margins of this specification are marked with asterisks (or vertical lines) to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Resolution Text:

Delete

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	Delete in its entirety. There is no previous issue of the document.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: 6.5-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Requirement Text:

Table 6-1. Long-Term ACMS Requirements

Resolution Text:

Table II. Long-Term Implementations

Justification Text:

Changed per comment against 6.2.2.

ACMS Requirements Review

19-Feb-98

Requirement ID: A

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

APPENDIX A

Requirement Text:

ACMS Concept Overview.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

ACMS as a System of Systems

Requirement Text:

This section describes the Army's long-term vision for ACMS. Near-term implementations within individual commands will be tailored to meet local needs and to reflect the state of the industry at the time of implementation.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	From: ... To: Remove the second sentence. Explanation: Implementation information.

Justification Text:

Recommend Rejection. This is an important understanding that must be communicated clearly and often.

ACMS Requirements Review

19-Feb-98

Requirement ID: A.1.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Federated System of Systems

Requirement Text:

ACMS will be the principal Army system for finding, retrieving, managing, and controlling access to Army product data. ACMS will be a federated system of systems. It will be federated in the sense that local sites will manage their own data and support their own site-unique business processes. It is a system of systems in the sense that all sites will share standard metadata (see Appendix D) that describe the managed product data and will possess capabilities that are common to the whole of ACMS. Within the ACMS federation, any authorized user will have visibility into controlled product structures, associated product data, and standard metadata.

Resolution Text:

ACMS will be the principal Army system for finding, retrieving, managing, and controlling access to Army product data. ACMS will be a federated system of systems. It will be federated in the sense that local sites will manage their own data and support their own site-unique business processes. It is a system of systems in the sense that all sites will share metadata (see Appendix D) that describe the managed product data and will possess capabilities that are common to the whole of ACMS. Within the ACMS federation, any authorized user will have visibility into controlled product structures, associated product data, and standard metadata.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: ... standard metadata (see Appendix D) To: ... metadata (see Appendix D)
Explanation: Define standard metadata or use the words defined in glossary Appendix D. The term standard metadata occurs twice in this paragraph. Suggest that metadata be used in both occurrences.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: A.1.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Enterprise-Level Visibility

Requirement Text:

ACMS will be fielded into an environment where many data management, repository, and workflow systems already exist. Additionally, ACMS will be fielded as local implementations within the ACMS federation. As such, the ACMS concept must embrace all of these related systems by interfacing with them, subsuming them, or replacing them. In some cases, ACMS will be the only system providing configuration management, product data management, product structure management, process management, or data storage for a set of product data. In other cases, actual storage and direct control of the data and product structure will be performed by a data management system which is external to the ACMS federation. ACMS must interface with these external data management systems to share metadata. In all cases, ACMS must have visibility into Army product data in terms of its identity, status, and form. For product data managed within the ACMS federation, it must be possible for authorized ACMS users to not only locate, but also retrieve the controlled product data.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.1.3

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Standard Set of Data Information Packets

Requirement Text:

MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the standard core metadata which must be sharable within and outside the ACMS federation. The data elements describe the configuration management data needed to support the principles of configuration management in accordance with EIA/IS-649, National Consensus Standard for Configuration Management. These data elements and the relationships depicted in MIL-STD-2549 also provide the basis for exchanging rudimentary product structure information in the form of parts and Bill of Materials data.

Resolution Text:

MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines a standard set of data information packets, that allow the sharing of product data within and outside the ACMS federation. The information packets describe the configuration management data needed to support the principles of configuration management in accordance with EIA/IS-649, National Consensus Standard for Configuration Management. These information packets and the relationships depicted in MIL-STD-2549 also provide the basis for exchanging rudimentary product structure information in the form of parts and Bill of Materials data.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

(PART 1) From: ...Standard Core Metadata To: ... Standard Set of Data Information Packets Explanation: More appropriate title for reference to MIL-STD 2549 Packets. (PART 2) From: ...MIL-STD-2549 defines the standard core metadata which must be sharable within and outside the ACMS federation. The data elements describe..... To: ... MIL-STD-2549 defines a standard set of data information packets, that allow the sharing of product data within and outside the ACMS federation. The information packets describe..... Explanation: More appropriate use of packets from MIL-STD 2549. (PART 3) From: ...These data elements and the relationships depicted..... To: ... These information packets and the relationships depicted..... Explanation: More appropriate use of packets from MIL-STD 2549. Suggest that you global search for data elements, and substitute information packets where appropriate.

MSC:

Reviewer:

Comments:

BDM

Jim Cox

From: ...A.1.3 Standard Core Metadata. MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the standard core metadata which must be sharable ... To: ... A.1.3 Sharable Metadata. MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the metadata which must be sharable ... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)

Justification Text:

Accept AMSAA comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Specific ACMS Roles

Requirement Text:

ACMS will serve as the Army's enterprise configuration and product data management system, as the Army-wide product data provider, as an interface provider, as an Army-wide product structure manager, and as a process enabler.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Army Configuration and Product Data Management System.

Requirement Text:

ACMS users will be able to find, view, copy, and print Army product data, regardless of whether the Army has change control authority or not. To accomplish this, each member of the ACMS federation will need visibility into all product data that is controlled and digitally stored. As a result, systems within and external to the ACMS federation will need to exchange metadata about this product data and provide access to their product data. This is necessary so that the data, an enterprise resource, can be widely shared. Generally, the Army will have change control authority over the product data managed within the ACMS federation and over Army product data stored in JEDMICS. ACMS will enable authorized users to create, find, manage, retrieve, view, redline, update as a new version, save as new data, or make some other use of product data for which the Army is the change control authority. Local ACMS implementations will be able to configuration manage their own vaulted product data, as well as product data they own, but physically store that data in external repositories such as JEDMICS.

Resolution Text:

ACMS users will be able to find, view, copy, and print Army product data, regardless of whether the Army has change control authority or not. To accomplish this, each member of the ACMS federation will need visibility into all product data that is controlled and digitally stored. As a result, systems within and external to the ACMS federation will need to exchange metadata about this product data and provide access to their product data. This is necessary so that the data, an enterprise resource, can be widely shared. ACMS will enable authorized users to create, find, manage, retrieve, view, redline, update as a new version, save as new data, or make some other use of product data for which the Army is the change control authority. Local ACMS implementations will be able to configuration manage their own vaulted product data, as well as product data they own, but physically store that data in external repositories such as JEDMICS.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: Fifth sentence - Generally, the Army will have change control authority over the product data managed within the ACMS federation and over Army product data stored in JEDMICS. To: Remove this sentence. Explanation: This statement is not true, especially with Aviation data and not true in light of Acquisition Reform.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.1.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Single, Comprehensive Product Data Manager

Requirement Text:

In some instances, ACMS will function as the sole data management system and repository for a collection of product data. This includes directly providing for the physical storage and configuration management of the data, as well as for security and access control. Security and access control will include managing user authorizations, monitoring access, and providing for the check-in and check-out of data. In these cases, ACMS will be the only data manager for the data.

Resolution Text:

In some instances, ACMS will function as the sole data management system and repository for a collection of product data. This includes directly providing for the physical storage and configuration management of the data, as well as the security for and controlled access to the data. Security and access control will include managing user authorizations, monitoring access, and providing for the check-in and check-out of data. In these cases, ACMS will be the only data manager for the data.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Second sentence To: This includes directly providing for the physical storage and configuration management of data, as well as the security for and controlled access to the data. Explanation:</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.1.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Shared Product Data Manager

Requirement Text:

In other instances, ACMS will share data management responsibilities with other systems. Examples of other systems include unique Product Data Management (PDM), Configuration Management (CM), and CITIS systems owned and operated by individual programs, commands, or contractors. Data management features inherent in data authoring systems are another example of cases where ACMS will need to share data management responsibilities. Under these circumstances, ACMS will manage the defined core product metadata, while site specific PDM, CM, and/or CITIS systems will control the site's own engineering data (to include site unique metadata). Physical storage, configuration management, security, and access control of the data will be accomplished by the site's data management system(s). ACMS and the other data management system, however, will interface to exchange data and metadata (see A.1.3, Standard Core Data), so that ACMS can maintain enterprise-level visibility of Army product data.

Resolution Text:

In other instances, ACMS will share data management responsibilities with other systems. Examples of other systems include unique Product Data Management (PDM), Configuration Management (CM), and CITIS systems owned and operated by individual programs, commands, or contractors. Data management features inherent in data authoring systems are another example of cases where ACMS will need to share data management responsibilities. Under these circumstances, ACMS will exchange and manage product metadata based on MIL-STD-2549 data information packets, while site specific PDM, CM, and/or CITIS systems will control the site's own engineering data (to include site unique metadata). Physical storage, configuration management, security, and access control of the data will be accomplished by the site's data management system(s). ACMS and the other data management system, however, will interface to exchange data and metadata (see A.1.3, Standard Set of Data Information Packets), so that ACMS can maintain enterprise-level visibility of Army product data.

COMMENTS:

MSC:

Reviewer:

Comments:

BDM

Jim Cox

From: ... Under these circumstances, ACMS will manage the defined core product metadata, while ... (see A.1.3, Standard Core Data), ... To: ... Under these circumstances, ACMS will exchange and manage product metadata based on data elements in MIL-STD-2549 data information packets, while ... (see A.1.3, Shareable Metadata), ... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)

Justification Text:

Accept BDM comment with modifications.

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.1.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Engineering Repository Manager

Requirement Text:

For Army product data contained in or destined for JEDMICS, ACMS will be the Army entry point for retrieving product data for modification and for loading the product data itself and related file index data (a subset of ACMS metadata). This ensures that ACMS and JEDMICS data remain synchronized. ACMS will also provide for the configuration management of this data.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Army-Wide Product Data Provider

Requirement Text:

With ACMS, it will be possible for any authorized user to identify and request any piece of product data for which the Army is the change control authority. ACMS will assist the user in identifying the desired product data, locate and request the product data for the user, and then present the product data to the user in a usable form. Key implications that result from this role include the following:

Resolution Text:

With ACMS, it will be possible for any authorized user to identify and request any piece of digitally stored and controlled Army product data. ACMS will assist the user in identifying the desired product data, locate and request the product data for the user, and then present the product data to the user in a usable form. Key implications that result from this role include the following:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: First sentence To: With ACMS, it will be possible for any authorized user to identify and request any piece of digitally stored and controlled Army product data.
Explanation:*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.2-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Army-Wide Product Data Provider

Requirement Text:

Visibility. As the enterprise product data management system for the Army, ACMS will have visibility into the identity and location of all controlled product data, regardless of whether it is owned by the Army or another organization.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.2-2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Army-Wide Product Data Provider

Requirement Text:

ACMS Federation's Principal Entry Point. ACMS will be the Army's principal entry point into the Army's federation of configuration and product data management systems. This means that Army product data users will access and check-out Army-owned and controlled product data via ACMS. It also means that Army product data creators will use ACMS as the principal mechanism for placing Army product data under formal data management control.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.2-3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Army-Wide Product Data Provider

Requirement Text:

ACMS User's Entry to External Data Management Systems. When ACMS does not have direct physical control of desired data (vaulted elsewhere), ACMS will formulate a request for the product data, submit the request to the controlling system, receive the requested product data or response notice, and make the result (requested data or response notice) available to the user. As a result, Army product data users will be able to find, copy, view, and print Army product data via ACMS even when ACMS does not directly manage the product data.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.2-4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Army-Wide Product Data Provider

Requirement Text:

Product-Centric Data Management. ACMS represents a shift in the Army from document-centric data management to product-centric data management. This change will enable users to identify desired product data by navigating product structures, searching for and through part families, as well as traditional approaches to finding product data via search queries on product data grouping or classification attributes. Product-centric data management also means that the product structure is a controlled item in addition to (or in place of) documents describing the product structure (e.g., Bill of Materials).

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.2-5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Army-Wide Product Data Provider

Requirement Text:

Web-Based Access. ACMS will include the ability to access controlled product data via commercially available web browsers. Users of the ACMS will be able to access ACMS via the browser, find desired product data via search queries or product structure navigation, request and receive product data for viewing, printing, or copying (as new product data), and mark-up or redline viewable images.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Interface Provider

Requirement Text:

ACMS will be fielded into a diverse environment of legacy systems that need to interact with ACMS. Examples of these systems include JCALS Workflow Management System, CITIS configuration management systems, JEDMICS, PDM-based CITIS systems, and other CITIS and PDM systems. Furthermore, as a federated system of systems, ACMS itself will need to exchange product data among several site-unique implementations of ACMS. As a result, the ACMS architecture will need to be open and embrace interface standards for interfacing with other systems. Specifically, the ACMS will need to have a published Application Program Interface (API). It also will need to migrate towards the configuration management data interface standard (MIL-STD-2549) as the means for defining what metadata must be exchanged among ACMS and other PDM, CM, and CITIS systems.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Army-Wide Product Structure Manager

Requirement Text:

Product structure management is a new concept for managing Army-wide product data. It signifies a move away from document-centric data management philosophy to product- or part-centric product data management. ACMS will have visibility into the product structure and product data of any Army item, and configuration control of product data managed within the ACMS federation. Associated with the product structure, ACMS will provide visibility into the identity and location of all controlled, digital product data which describes elements of the product structure. Thus, users of Army-controlled product data may find the data by navigating the relevant product structure. Additionally, ACMS will support displaying multiple views of the product structure. For example, ACMS can present design views of the data which would show the design data associated with the product structure. A view by Configuration Items (CIs) would aid program managers and their support staff. Another view would be a manufacturing view. In this view, some design information would be presented, but manufacturing process descriptions and simulations also might be included. Other views are possible as well.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: A.2.5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Process Enabler

Requirement Text:

ACMS will enable various Army business processes by making product data widely accessible and by providing workflow tools that facilitate the distribution of tasks and data, as well as the monitoring and management of the processes modeled by the workflows. Specifically, ACMS will improve the efficiency of Army IPTs, engineering change action processing, and reprourement Tech Loop activities by making it much easier to find and retrieve needed product data; by providing tools that enable users to view, mark-up, or comment on product data; by allowing concurrent access to product data; by distributing tasks, editable on-line displays, and notices of assigned tasks and product data availability via pre-defined and ad hoc workflows; and by supporting electronic sign-off on product data or tasks.

Resolution Text:

Justification Text:

Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

APPENDIX B ACMS Support of Army Product and Data Life Cycles

Requirement Text:

ACMS will provide support to both the weapon systems and data life cycles. Section B.1 below describes ACMS from the weapon system life-cycle perspective. Section B.2, ACMS Operation within Product Data Life Cycle, describes ACMS from the data life-cycle perspective.

Resolution Text:

ACMS will provide support for the life cycle management of both Army products and their data.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

*From: ...ACMS will provide support to both weapon systems and data life cycles.
To: ... ACMS will provide support for the life cycle management of both weapon systems and data for weapon systems. Explanation: Editorial Clarification.*

Justification Text:

Accept AMSAA comment with modifications to reflect comments against 1.2.5-15 and G-25. Replace "weapon system" with "Army product" or "Army program" as appropriate.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Support of the Weapon System Life Cycle.

Requirement Text:

The envisioned scope of ACMS is to be the Army's enterprise configuration and product data management system throughout the life cycle of a weapon system, product, or program -- from development through production, operation, sustainment, modification, and ultimately disposal.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Development

Requirement Text:

Development.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

ACMS will be the Army's primary mechanism for maintaining continuous and concurrent visibility into the content and status of developing weapon system product data. ACMS will be a key tool used by the Army to support the execution of the Integrated Product and Process Management (IPPM) concepts for developing weapon systems. Under the IPPM concept, IPTs will be formed from all user communities who have responsibility for, use, or support the weapon system at some point in its life cycle. By having ready access to developing product data, IPT members may influence the design early and avoid excessive life-cycle costs or expensive changes late in the system's development or manufacture. Examples of user communities include the following:

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1- 1

Source 1:

Source 2:

<null>

Source 1 ID:

<null>

Source 2 ID:

<null>

Paragraph #:

<null>

Paragraph #:

<null>

Note:

<null>

Note:

<null>

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Designers and engineers who develop the system,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1- 2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Testers who will test the weapon system,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1- 3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Manufacturers who must build the system,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1- 4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Program managers who must manage the system's development,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1- 5

Source 1:

Source 2:

<null>

Source 1 ID:

<null>

Source 2 ID:

<null>

Paragraph #:

<null>

Paragraph #:

<null>

Note:

<null>

Note:

<null>

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Trainers who will develop training courses,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1- 6

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Operational users who must use the system in the field,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1- 7

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Logisticians and maintenance personnel who must sustain and maintain the system,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1- 8

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Item managers who will buy replacements and spares for the weapon system,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1- 9

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Operations planners, analysts, and modelers who will plan and study the best ways to employ the system, and

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.1-10

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Continuous, Concurrent, and Wide-Spread Access

Requirement Text:

Authors and subject matter experts who will write technical and operations manuals for the weapon system.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS-Stored Product Data

Requirement Text:

When ACMS or JEDMICS is used as the repository, authorized IPT members who create product data will be able to save data in secure, access-controlled storage areas, promote product data through various release levels, baseline product structures and product data, and configuration control the product data. IPT members will have concurrent access to the product data, although ACMS will preclude multiple users from being able to simultaneously change the data. Note that in the context of ACMS, controlled product data will never be changed, but it may be revised and differentiated with a new revision identifier. ACMS will enable authorized IPT members who use, but do not create the product data, to find and retrieve product data they require; receive task notifications and accompanying product data via workflows and messaging capabilities contained within ACMS; view, comment on, and mark-up or redline product data using viewing tools provided by ACMS; and participate in design and engineering change evaluations even though individual IPT members are geographically and organizationally dispersed. ACMS also will enable users to perform where-used (or co-used) analyses to ensure proper coordination of engineering change actions.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.1.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Contractor-Stored Product Data

Requirement Text:

When contractor data management systems store and manage the product data, ACMS will enable authorized IPT members who use, but do not create the product data, to find and retrieve product data they require; receive task notifications and accompanying product data via workflows and messaging capabilities contained within ACMS; view, comment on, and mark-up or redline product data using viewing tools provided by ACMS; and participate in design and engineering change evaluations even though individual IPT members are geographically and organizationally dispersed.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Production

Requirement Text:

By making design data accessible as it evolves, ACMS will enable the manufacturing community to be aware of and more readily influence the weapon system design. Additionally, during weapons system manufacture, ACMS will enable authorized members of the manufacturing community to rapidly find and retrieve design, manufacture, test, and analysis data that affect the development of manufacturing processes, the acquisition or configuration of manufacturing equipment, and the procurement of manufacturing materials. This will facilitate early planning and evaluation of manufacturing alternatives. For example, manufacturing simulations can be prepared early on based on evolving product data. These simulations may reveal design problems from a manufacturer's perspective, and also will enable the manufacturer to begin planning the production process sooner. Additionally, manufacturers will be able to initiate change actions or participate in change evaluations using ACMS' engineering change action on-line displays, workflows, and viewing and mark-up capabilities. ACMS will provide them with access to supporting product data, thus enhancing the quality of engineering change actions. ACMS also will enable a preparer of an engineering change action to determine if similar or related engineering change actions are in process, have been rejected, or have been approved. Additionally, ACMS will enable users to perform where-used (or co-used) analyses to ensure proper coordination of engineering change actions.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	From: ... To: Why was this section changed from Manufacturing to Production ? Explanation:

Justification Text:

Changed "Manufacturing" to "Production" because the life-cycle phases as listed in B.1.1 are development, production, operation, These are the commonly used terms for these phases. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Operation

Requirement Text:

ACMS will provide authorized operational users of a weapons system with rapid access to the product data they need to more efficiently plan the system's use, operate the system, and employ the system, as in the following examples:

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.3-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Operation

Requirement Text:

Operations analysts might use physical attributes of the system as input into an operational simulation. The simulation would indicate how well the system performed in a specified scenario. In another example, force planners might use design and other forms of product data to determine interoperability between systems.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.3-2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Operation

Requirement Text:

Deployment planners might use product data to determine or simulate transportation requirements for the weapon system.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.3-3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Operation

Requirement Text:

Survivability analysts could access design data that provides inputs to survivability models for predicting weapon system survivability against certain threats in certain scenarios.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.3-4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Operation

Requirement Text:

Like members of the manufacturing and other communities, authorized operational users will be able to initiate change actions or participate in their evaluation using ACMS' engineering change action on-line displays, workflows, and viewing and mark-up capabilities. ACMS will provide them with access to supporting product data, thus enhancing the quality of engineering change actions. ACMS also will enable a preparer of an engineering change action to determine if similar or related engineering change actions are in process, have been rejected, or have been approved. Additionally, ACMS will enable users to perform where-used (or co-used) analyses to ensure proper coordination of engineering change actions.

Resolution Text:

Justification Text:

Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Sustainment

Requirement Text:

Logisticians, maintenance personnel, and engineers will benefit from ACMS' ability to provide them with access to needed engineering and analytical data during the sustainment phase in the following ways:

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.4-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Sustainment

Requirement Text:

Logisticians could use design or analytical data to help them predict replacement and spares rates.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.4-2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Sustainment

Requirement Text:

Maintenance workers could access ACMS when servicing equipment in the field when a particularly unusual or difficult maintenance event occurs. Using ACMS, the maintenance community will be able to record field maintenance actions.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.4-3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Sustainment

Requirement Text:

Obsolescence is a significant issue for many commodities within the Army. Engineers often must reengineer obsolete parts. With ACMS, engineers would be able to locate supporting product data, store their reengineered data, and then find it again in the future, so it does not have to be reengineered a second time.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.4-4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Sustainment

Requirement Text:

Selected logisticians, maintenance personnel, and engineers will be able to initiate engineering change actions or participate in their evaluation using ACMS' engineering change action on-line displays, workflows, and viewing and mark-up capabilities. ACMS will provide them with access to supporting product data, thus enhancing the quality of engineering change actions. ACMS also will enable a preparer of an engineering change action to determine if similar or related engineering change actions are in process, have been rejected, or have been approved. Additionally, ACMS will enable users to perform where-used (or co-used) analyses to ensure proper coordination of engineering change actions.

Resolution Text:

Justification Text:

Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.1.5

Source 1:

Source 2: <null>

Source 1 ID: <null>

Source 2 ID: <null>

Paragraph #: <null>

Paragraph #: <null>

Note: <null>

Note: <null>

Category:

Disposal

Requirement Text:

Disposing, recycling, or salvaging retired weapon systems can benefit from ready access to product data via ACMS. With ACMS the individuals responsible for the disposal of a system will be able to better plan through access to product data on the various configurations that have been fielded. They also will be able to identify hazardous or precious materials that may be included in the system. If desired, the product data could include handling instructions for these materials. Like the other communities involved in the life cycle of a weapon systems, the disposal community will be able to develop, receive, and evaluate engineering change actions via ACMS. Additionally, ACMS will enable users to perform where-used (or co-used) analyses to ensure proper coordination of engineering change actions.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

ACMS Operation within Product Data Life Cycle

Requirement Text:

This section describes the support ACMS provides from the perspective of the data's life cycle -- from its acquisition or creation, through its management and use.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Data Acquisition

Requirement Text:

Data Acquisition.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Overview

Requirement Text:

Product data acquisition involves the creation, revision, purchase, conversion, or any other method of obtaining new Army product data. The acquired product data may be authored by the Army, developed for the Army under contract, or purchased by the Army. Acquired product data also includes new revisions of existing data. The acquired product data may be physically retained by the Army or by a third party such as a contractor. The new product data includes actual engineering data representations of products (e.g., drawings, models, software, and documents such as requirements and specifications), product structure representations, configuration control data, engineering change actions, mark-ups and redlines, relationships between product data, relationships between product data and product structure elements, and other data about the product data (metadata). All are types of product data captured and controlled by ACMS.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Operational Concept

Requirement Text:

ACMS will support data acquisition primarily by providing the means to introduce acquired product data into the ACMS environment of managed data. With a few exceptions, as described later in this paragraph, the actual authoring of product data is outside the domain of ACMS. ACMS will support the introduction of acquired product data into the Army's environment of managed data, however, by providing the capability to capture and securely store authored product data via its data vaulting capabilities. ACMS also will provide mechanisms for obtaining product data, to include metadata, from contractors. These mechanisms will be based on standards such as STEP (STandard for the Exchange of Product model data - ISO 10303), CALS (Commerce At Light Speed), and MIL-STD-2549, along with an open and published API. In these cases the actual product data authoring is done external to ACMS. On the other hand, ACMS will support the direct creation of some product data by providing data authors with the capability to build product structures, assign relationships between instances of product data, and establish relationships between specific product data items and product structure elements. Using system administrator-configurable on-line editable displays and automated rules, ACMS also will enable product data authors to initialize configuration control data. This includes assigning configuration item identifiers, generating engineering change actions, and recording evaluations of engineering change actions by using ACMS on-line editable displays and viewing/mark-up tools. The following subparagraphs provide descriptions of specific ACMS operational capabilities that will support the acquisition of Army product data.

Resolution Text:

ACMS will support data acquisition primarily by providing the means to introduce acquired product data into the ACMS environment of managed data. With a few exceptions, as described later in this paragraph, the actual authoring of product data is outside the domain of ACMS. ACMS will support the introduction of acquired product data into the Army's environment of managed data, however, by providing the capability to capture and securely store authored product data via its data vaulting capabilities. ACMS also will provide mechanisms for obtaining product data, to include metadata, from contractors. These mechanisms will be based on standards such as STandard for the Exchange of Product (STEP) model data--ISO 10303, Continuous Acquisition and Life Cycle Support (CALS), and MIL-STD-2549, along with an open and published API. In these cases the actual product data authoring is done external to ACMS. On the other hand, ACMS will support the direct creation of some product data by providing data authors with the capability to build product structures, assign relationships between instances of product data, and establish relationships between specific product data items and product structure elements. Using system administrator-configurable on-line editable displays and automated rules, ACMS also will enable product data authors to initialize configuration control data. This includes assigning configuration item identifiers, generating engineering change actions, and recording evaluations of engineering change actions by using ACMS on-line editable displays and viewing/mark-up tools. The following subparagraphs provide descriptions of specific ACMS operational capabilities that will support the acquisition of Army product data.

COMMENTS:**MSC:**

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: Fifth sentence To: These mechanisms will be based on standards such as Standard for the Exchange of Product (STEP) model data--ISO 10303, Continuous Acquisition and Life Cycle Support (CALS), and MIL-STD-2549, along with an open and published API. Explanation:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: ...CALS (Commerce At Light Speed) To: ... CALS (Continuous Acquisition and Life-Cycle Support) Explanation: Current definition of Army and OSD programs and standards. Commerce At Light Speed identifies industry steering group efforts.

Justification Text:

Accept AMCOM and AMSAA comments. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2. 1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Secure Product Data Storage

Requirement Text:

ACMS will provide for secure storage of acquired product data in accordance with defined access control permissions and rules. Secure storage is defined as the ability to preclude stored information from being viewed, reused, updated, or deleted in violation of ACMS access permissions and rules. Examples of the kinds of data ACMS will store and protect include product data files in native or standard formats, metadata associated with managed product data, administrative data, references to product data external to ACMS, and on-line editable displays such as engineering change actions.

Resolution Text:

Justification Text:

Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2. 2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Check-In Product Data

Requirement Text:

Checking product data into the ACMS is one means by which product data is entered into the ACMS environment of managed data. Upon initiation of the check-in function, ACMS will present an authorized product data author with an editable display of required ACMS metadata. The metadata fields on the editable display will be empty or will contain existing or default values (existing values are for product data that is being revised; default values are for new product data that is being loaded for the first time). The user will enter, modify, or accept the metadata and proceed with the check-in operation. ACMS will then copy the product data, to include metadata, from the user's workspace into the ACMS vault assigned to the user. ACMS will notify the user as to the success of the transaction and will make the core metadata available to all systems within the ACMS federation. The user may not need to know the actual physical location of the product data. If the product data had been checked out for revision, ACMS will release the check-out lock at this time. ACMS also will support batch loading of product data, to include metadata.

Resolution Text:

Checking product data into the ACMS is one means by which product data is entered into the ACMS environment of managed data. Upon initiation of the check-in function, ACMS will present an authorized product data author with an editable display of required ACMS metadata. The metadata fields on the editable display will be empty or will contain existing or default values (existing values are for product data that is being revised; default values are for new product data that is being loaded for the first time). The user will enter, modify, or accept the metadata and proceed with the check-in operation. ACMS will then copy the product data, to include metadata, from the user's workspace into the ACMS vault assigned to the user. ACMS will notify the user as to the success of the transaction and will make the metadata available to all systems within the ACMS federation. The user may not need to know the actual physical location of the product data. If the product data has been checked out for revision, ACMS will release the check-out lock at this time. ACMS also will support batch loading of product data, to include metadata.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	From: Eighth sentence - ...product data had been checked To: ... product data has been checked Explanation:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
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ACMS Requirements Review

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AMSAA	Gordon Ney	<i>From: ... make the core metadata available to all systems within the ACMS federation. To: ... make metadata available to all systems within the ACMS federation. Explanation: Core metadata is not defined. Define it or use metadata.</i>
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<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
BDM	Jim Cox	<i>From: (next to last sentence)... ACMS will notify the user as to the success of the transaction and will make the core metadata available to To: ... ACMS will notify the user as to the success of the transaction and will make metadata available to.... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)</i>

Justification Text:

Accept comments. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2. 3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Populate JEDMICS and Other External Repositories

Requirement Text:

ACMS will be able to populate external repositories that store product data for which the Army has change control authority. JEDMICS is one example of such a repository. One way in which Army product data owners or authors will populate JEDMICS is by using ACMS check-in features. ACMS will present default values for required ACMS metadata to the user who will modify or accept the metadata. From this metadata, ACMS will prepare the associated JEDMICS file index data. The user will then initiate the JEDMICS load procedure. ACMS will copy the product data from the user's workspace and transmit both the file index data and product data to JEDMICS. JEDMICS will store the product data received from ACMS and populate the JEDMICS file index with the necessary metadata provided by ACMS. JEDMICS will then send back to ACMS any file index data that JEDMICS produces or revises (e.g., file location). ACMS will then update its own metadata to keep the systems synchronized. If necessary, JEDMICS will send ACMS notices that indicate whether or not the transaction was successful. ACMS will present the notices to the user for his or her action if necessary. Using ACMS to load JEDMICS with new Army product data will preserve the integrity of ACMS metadata and ensure ACMS and JEDMICS are synchronized. ACMS also will support batch loading of external repositories such as JEDMICS.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2. 4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Translate Files

Requirement Text:

In the future, ACMS will include a set of file translators that produce STEP and CALS-compliant formats. In support of user requests for data, ACMS will schedule and route files to appropriate file translators, apply default settings for translations, initiate the translation, and route the output file to the user.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2. 5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Build Product Structures

Requirement Text:

The creation of product structures is a form of product data authoring. ACMS will provide for the creation of new product structure elements such as assemblies, components, and parts. These parts may then be associated (i.e., related or linked) in a hierarchical manner to represent a newly defined product. ACMS will present the hierarchical product structures to users via a graphical display. Product structures may be revised and retained as new revisions. ACMS will provide for creating, recording, and maintaining multiple versions for a given product structure element. ACMS also will provide the ability to specify and maintain product structure effectivity information on when a part revision is valid for use in assembling a particular revision of a product. ACMS also will be able to import product structure relationships authored elsewhere.

Resolution Text:

The creation of product structures is a form of product data authoring. ACMS will provide for the creation of new product structure elements such as assemblies, components, and parts. These parts may then be associated (i.e., related or linked) in a hierarchical manner to represent a newly defined product. ACMS will present the hierarchical product structures to users via a graphical display. Product structures may be revised and retained as new revisions. ACMS will provide for creating, recording, and maintaining multiple revisions for a given product structure element. ACMS also will provide the ability to specify and maintain product structure effectivity information on when a part revision is valid for use in assembling a particular revision of a product. ACMS also will be able to import product structure relationships authored elsewhere.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: Sixth sentence -multiple versions for a given To: ... multiple revisions of a given Explanation:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2. 6

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Author Relationships

Requirement Text:

In addition to the product structure relationships described above, ACMS will allow for authoring the following kinds of relationship data: links between product data and product structure elements, links between two different pieces of product data, and the type of links themselves. The links between product data and product structure elements are the means by which product data is associated with particular product structure elements. These links will enable ACMS users to find product data by navigating product structures. The links between different product data are the means by which two pieces of product data are related to one another. The type of link defines the nature of the relationship. The link type itself can be created and defined by system administrators, thus allowing product data authors to create new ways of describing the relationships. ACMS also will be able to import relationship data authored elsewhere. This includes the following kinds of relationship data: links between product data and product structure elements, links between two pieces of product data, and the type of links themselves.

Resolution Text:

In addition to the product structure relationships described above, ACMS will allow for authoring the following kinds of relationship data: links between product data and product structure elements, links between two different pieces of product data, and the type of links themselves. The links between product data and product structure elements are the means by which product data is associated with particular product structure elements. These links will enable ACMS users to find product data by navigating product structures. The links between different product data are the means by which two pieces of product data are related to one another. The type of link defines the nature of the relationship. The link type itself can be created and defined, thus allowing product data authors to create new ways of describing the relationships. ACMS also will be able to import relationship data authored elsewhere. This includes the following kinds of relationship data: links between product data and product structure elements, links between two pieces of product data, and the type of links themselves.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Sixth sentence -and defined by system administrators, thus allowing To: ... and defined, thus allowing Explanation:</i>

Justification Text:

Accept AMCOM's comment, but I doubt if the systems will allow any ordinary user to define link types.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2. 7

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Create, Associate, and Track Engineering Change Actions

Requirement Text:

ACMS will enable users to create, associate, and track engineering change documents against product data. Once into ACMS, the change initiator will request a standard editable on-line engineering change action display. ACMS will present the display, which may have been tailored by the local system administrator, to the change initiator who inspects the default data provided by ACMS and makes changes and additions as necessary. ACMS will automatically assign the next available unique engineering change action number. The change initiator will use the ACMS query/search and/or product structure navigation capabilities to find any product data that needs to be attached to the engineering change action display and submit the engineering change action for consideration via a predefined engineering change action workflow.

Resolution Text:

ACMS will enable users to create, associate, and track engineering change actions against product data. Once into ACMS, the change initiator will request a standard editable on-line engineering change action display. ACMS will present the display, which may have been tailored by the local system administrator, to the change initiator who inspects the default data provided by ACMS and makes changes and additions as necessary. ACMS will automatically assign the next available unique engineering change action number. The change initiator will use the ACMS query/search and/or product structure navigation capabilities to find any product data that needs to be attached to the engineering change action display and submit the engineering change action for consideration via a predefined engineering change action workflow.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

*From: ...engineering change documents To: ... engineering change actions
Explanation: I do not know the intent here. Another suggested wording could be engineering change actions and associated documents, but I think the definition of engineering change action includes documents. Does it? Should it?*

Justification Text:

Accept AMSAA comment. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display."
Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2. 8

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Redline Images

Requirement Text:

Redlined or marked-up viewable images are another kind of product data that is acquired using ACMS. ACMS will provide the ability for multiple reviewers to create redlines, mark-ups, or annotations to viewable images. This reviewer-created product data will be controlled and maintained in conjunction with the viewable image. ACMS will ensure, however, that individual reviewer redlines and annotations are kept distinct.

Resolution Text:

Justification Text:

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19-Feb-98

Requirement ID: B.2.1.2. 9

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Web-Based Access

Requirement Text:

Product data authors with access to a web browser will be able to create and check product data into ACMS using the browser and the Internet. ACMS will provide a full-function, web-client interface for users who access ACMS using a web browser.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.1.2.10

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Acquire Metadata

Requirement Text:

Metadata may be acquired via ACMS from both product data authors and external data management systems. When checking in product data, ACMS will present the author or owner with a predefined display to be completed. Where default values exist, ACMS will populate the display with those defaults for the author to modify or accept. ACMS will store and control access to the metadata for future use. Metadata also will be obtained by ACMS from external data management systems. At a minimum, ACMS will be capable of importing MIL-STD-2549 data elements from external systems.

Resolution Text:

Metadata may be acquired via ACMS from both product data authors and external data management systems. When checking in product data, ACMS will present the author or owner with a predefined display to be completed. Where default values exist, ACMS will populate the display with those defaults for the author to modify or accept. ACMS will store and control access to the metadata for future use. Metadata also will be obtained by ACMS from external data management systems. At a minimum, ACMS will be capable of importing MIL-STD-2549 data information packets from external systems.

Justification Text:

Replaced "data element" with "data information packets" per AMSAA suggestion on A1.3. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Data Management

Requirement Text:

Data Management.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Overview

Requirement Text:

In the data management phase of product data's life cycle, the main objective is to control the product data in such a way that the data is protected without unnecessarily burdening the product data authors while facilitating authorized users in finding, retrieving, and working with the product data. The main activities under data management include storing product data, protecting product data by controlling access while making it easily accessible to authorized users, configuration managing product data, distributing product data in response to authorized requests, archiving and backing up product data, and recording the status of product data and changes in that status.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Operational Concept

Requirement Text:

ACMS will provide visibility into all official Army digital product data. ACMS will provide configuration control of Army product data for which the Army is the Current Document Change Authority (CDCA). All local implementations of ACMS will share metadata and access to Army product data. These local implementations of the ACMS federation, however, will exercise change and check-in/out control for product data that they store and manage locally. This means that while the local implementations of ACMS will exercise physical control over the product data, any ACMS user will be able to find and retrieve any data maintained within the ACMS federation. The notion of shared product data access is further extended when ACMS exchanges metadata with external PDM, CM, or CITIS systems. This exchange will provide ACMS with visibility into what product data is available and where it is located. As the Army's primary mechanism for accessing product data, ACMS will interact with the external systems to request the product data when needed. The following subparagraphs describe specific ACMS operational capabilities that will support the management of Army product data.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: First sentence - ...into all official Army digital product data. To: ... into all official digital product data. Explanation:</i>

Justification Text:

Recommend Rejecting. Will the Army use ACMS to find and view Air Force digital data?

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Store and Protect ACMS Vaulted Product Data

Requirement Text:

ACMS will provide a product data vaulting capability. This capability is for storage of product data over and above that which is kept in repository systems such as JEDMICS. The ACMS vault will not only securely store traditional product data such as drawings, models, and documents, but it also will store and protect viewable images, redlines and mark-ups of viewable images, metadata associated with managed product data, administrative data, references to data external to ACMS, and editable on-line displays such as engineering change actions. ACMS will protect the product data by restricting access to the data in accordance with defined access control permissions and rules. ACMS will have the ability to vault product data under its control in distributed vaults. ACMS also will protect Army product data stored in JEDMICS, as well as product data for which the Army has change control authority and is stored in other external repositories, by serving as the Army's single entry point into these repositories for the purposes of both loading and retrieving product data.

Resolution Text:

Justification Text:

Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Locate Product Data Within the ACMS Federation

Requirement Text:

Users of ACMS will be able to locate and retrieve any product data managed under the ACMS federation of systems. An ACMS user will find product data by querying metadata or by navigating product structures. It may not be necessary for the user to know the specific location of the product data in the ACMS federation. The user will be prevented from querying metadata which he or she is not authorized to see. Similarly, the user will be precluded from navigating product structures for which he or she is not authorized to view.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Control Access to Product Data When the Army Has Change
Control Authority

Requirement Text:

Access control is the mechanism by which ACMS protects the integrity of product data and guards it from unauthorized identification and retrieval. ACMS will manage and monitor authorizations and restrictions to product data for which the Army has change control authority. This includes product data vaulted by ACMS and product data stored in JEDMICS or other external repositories storing product data for which the Army is the change control authority. ACMS also will protect the integrity of the product data through check-in and check-out functions.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.3.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Authorizations and Restrictions

Requirement Text:

ACMS will provide for checking users' identities and authorizations and restricting their ability to see metadata, navigate product structures, and retrieve product data as defined by access control permissions and rules. These permissions and rules will enable system administrators to restrict access to ACMS by type of information, the status of the data (release level or specific baseline), data sensitivities and distribution limitations, and the roles assigned to a user or group. ACMS access rules will define the types of access allowed to users, groups, or roles (create, read, use, or delete). Attempts to access controlled product data will be monitored and users whose unsuccessful attempts exceed a system administrator-specified maximum threshold will be exited from the system and the unauthorized attempts to access product data will be recorded.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.3.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Check-In ACMS Vaulted Product Data and Populate JEDMICS

Requirement Text:

Product data check-in supports both the data acquisition and data management life-cycle phases. It is the means by which new or revised product data is brought under ACMS' control, hence the association with data acquisition. It also is a means of managing the integrity of controlled product data, hence the association with data management. The data acquisition section above discusses product data check-in -- see Section B.2.1.2.2, Product Data Check-In.

Resolution Text:

Product data check-in supports both the data acquisition and data management life-cycle phases. It is the means by which new or revised product data is brought under ACMS' control, hence the association with data acquisition. It also is a means of managing the integrity of controlled product data, hence the association with data management. The data acquisition section above discusses product data check-in -- see Section B.2.1.2.2, Check-In Product Data.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: Fourth sentence - ...see Section B.2.1.2.2, Product Data Check-In. To: ... see Section B.2.1.2.2, Check-In Product Data. Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.3.2-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Check-In ACMS Vaulted Product Data and Populate JEDMICS

Requirement Text:

Populating JEDMICS is a special case of product data check-in. The data acquisition section above discusses populating JEDMICS -- see Section B.2.1.2.3, Populate JEDMICS and Other External Repositories.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.3.3

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Check-Out ACMS Vaulted Product Data

Requirement Text:

Once the desired product data is found, either as the result of a successful query or through product structure navigation, the user will initiate the ACMS check-out function. If the user is authorized to access the product data and the data is vaulted by ACMS, then ACMS will respond by copying the requested files or information (e.g., drawing, model, or document) from the ACMS vault to the user's workspace. Upon check-out, ACMS will lock the requested files to prevent multiple users from attempting to modify the product data simultaneously. Other users will be allowed to view and copy the checked out product data (the copy would be treated as new data), but they would not be able to modify it or create new versions until the check-out is released. ACMS will provide the ability to view which user has checked the product data out from the vault. If the user who has checked the product data out decides he or she no longer intends to modify the product data and only wants to view the data or work with a copy, then he or she may release the lock if so desired, thus freeing the check-out for other users.

Resolution Text:

Once the desired product data is found, either as the result of a successful query or through product structure navigation, the user will initiate the ACMS check-out function. If the user is authorized to access the product data and the data is vaulted by ACMS, then ACMS will respond by copying the requested files or information (e.g., drawing, model, or document) from the ACMS vault to the user's workspace. Upon check-out, ACMS will lock the requested files to prevent multiple users from attempting to modify the product data simultaneously. Other users will be allowed to view and copy the checked out product data (the copy would be treated as new data), but they would not be able to modify it or create new revisions until the check-out is released. ACMS will provide the ability to view which user has checked the product data out from the vault. If the user who has checked the product data out decides he or she no longer intends to modify the product data and only wants to view the data or work with a copy, then he or she may release the lock if so desired, thus freeing the check-out for other users.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Fourth sentence - ...create new versions until the To: ... create new revisions until the Explanation:</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.3.4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Retrieve JEDMICS Stored Product Data

Requirement Text:

Army product data users will check product data out of JEDMICS via ACMS. An ACMS user will find JEDMICS product data using queries or product structure navigation. The user will initiate the ACMS check-out function and ACMS will prepare and transmit request for the product data to JEDMICS. ACMS will receive the product data from JEDMICS and present it to the user. If necessary, JEDMICS will send ACMS notices that indicate whether or not the transaction was successful. By using ACMS to retrieve JEDMICS-stored product data, it will be possible to manage use of Army product data, make sure that users are receiving the correct product data, and facilitate concurrent engineering efforts. The same file locking and metadata update procedures described in the previous paragraph will apply for checking out JEDMICS stored product data.

Resolution Text:

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... To: Remove this paragraph. Explanation: Duplicate of B.2.2.2.3.3. JEDMICS should not be handled differently.</i>

Justification Text:

Recommend Rejecting. While we agree that JEDMICS should not be handled differently, we believe that it will be unless specifically mentioned.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Distribute Product Data

Requirement Text:

ACMS will provide for the routing and transport of product data in support of numerous operations and events. Specifically, ACMS will copy product data between a user's workspace and the ACMS data vault in response to check-in and check-out operations, pre-defined event triggers, or workflow prompts. ACMS also will support product data exchanges among the systems within the ACMS federation and with external repository, PDM, configuration management, and CITIS systems. ACMS will record information about the product data transport transaction. For example, ACMS should record the time, initiator, and recipient of the transaction.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Exchange Product Data When the Army Does Not Have Change
Control Authority.

Requirement Text:

Exchange Product Data When the Army Does Not Have Change Control Authority.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.5.1	Source 1:		Source 2:	<null>
	Source 1 ID:	<null>	Source 2 ID:	<null>
	Paragraph #:	<null>	Paragraph #:	<null>
	Note:	<null>	Note:	<null>

Category:

Receiving Product Data from External Data Management Systems

Requirement Text:

ACMS will be responsible for providing visibility into and access to all Army product data. When the Army does not have change control authority over the product data and it is controlled by and vaulted in data management systems external to the ACMS federation, ACMS will need to be capable of receiving both product data and data about this product data (metadata) from the external data management system. Examples of these external data management systems include PDM, CM, CITIS, or authoring systems. To accomplish this, ACMS will need to have a published API and will need to migrate towards the configuration management data interface standard (MIL-STD-2549) as the means for defining what metadata must be exchanged among ACMS and other PDM, CM, and CITIS systems. MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the standard core metadata which must be sharable within and outside the ACMS federation. The data elements describe the configuration management data needed to support the principles of configuration management specified in EIA/IS-649, National Consensus Standard for Configuration Management. These data elements and the relationships depicted in MIL-STD-2549 also provided the basis for exchanging rudimentary product structure information in the form of parts and Bill of Materials data. Once ACMS determines that the desired product data is located in an external system and if the user requests the product data, then ACMS will formulate a request for the product data, initiate a session with the system that controls and stores the product data, submit the request, receive the requested product data or appropriate response notice, and present the results (product data or response notice) to the ACMS user. As a result, Army product data users will be able to find, view, copy, and print Army product data via ACMS even when ACMS does not directly manage the product data.

Resolution Text:

ACMS will be responsible for providing visibility into and access to all Army product data. When the Army does not have change control authority over the product data and it is controlled by and vaulted in data management systems external to the ACMS federation, ACMS will need to be capable of receiving both product data and data about this product data (metadata) from the external data management system. Examples of these external data management systems include PDM, CM, CITIS, or authoring systems. To accomplish this, ACMS will need to have a published API and will need to migrate towards the configuration management data interface standard (MIL-STD-2549) as the means for defining what metadata must be exchanged among ACMS and other PDM, CM, and CITIS systems. MIL-STD-2549 defines a standard set of data information packets, that allow the sharing of product data within and outside the ACMS federation. The information packets describe the configuration management data needed to support the principles of configuration management in accordance with EIA/IS-649. These information packets and the relationships depicted in MIL-STD-2549 also provide the basis for exchanging rudimentary product structure information in the form of parts and Bill of Materials data. Once ACMS determines that the desired product data is located in an external system and if the user requests the product data, then ACMS will formulate a request for the product data, initiate a session with the system that controls and stores the

product data, submit the request, receive the requested product data or appropriate response notice, and present the results (product data or response notice) to the ACMS user. As a result, Army product data users will be able to find, view, copy, and print Army product data via ACMS even when ACMS does not directly manage the product data.

COMMENTS:**MSC:**

BDM

Reviewer:

Jim Cox

Comments:

From: ... (5th sentence) ... MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the standard core metadata which must be sharable within and outside the ACMS federation. ... To: ... MIL-STD-2549, Department of Defense Interface Standard, Configuration Management Data Interface, defines the metadata which must be sharable within and outside the ACMS federation. ... Explanation: The notion of specifying core data elements has been rejected in favor of a requirement for exchanging data in accordance with the MIL-STD-2549 data information packets. This is the first of a series of comments that removes the notion of core data from the ACMS Performance Specification. See paragraphs 1.2.5-4, 1.2.5-4.10, A.1.3, A2.1.2, B.2.1.2.2, and B.2.2.2.5.1. (Action # 89)

Justification Text:

Replaced "data element" with "data information packets" per AMSAA suggestion on A1.3. Made same changes as were requested for A.1.3.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.5.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Providing Product Data to External Data Management Systems

Requirement Text:

ACMS also needs to be capable of providing product data, to include metadata, to external systems when the Army provides product data to contractors or other government entities. As a result, ACMS will be capable of exporting MIL-STD-2549 data elements for external systems.

Resolution Text:

ACMS also needs to be capable of providing product data, to include metadata, to external systems when the Army provides product data to contractors or other government entities. As a result, ACMS will be capable of exporting MIL-STD-2549 data information packets for external systems.

Justification Text:

Replaced "data element" with "data information packets" per AMSAA suggestion on A1.3.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.5.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Synchronizing with External Data Management Systems

Requirement Text:

In some instances, ACMS will need to be kept synchronized with an external data management system. Depending on the level of integration between ACMS and the external data management system, this synchronization will either be done automatically or procedurally. The approach will be determined during implementation. An example of a procedural approach to synchronization between ACMS and an external data management system is when the owner or author of the product data assumes responsibility for logging into ACMS and updating ACMS as to the state of the controlled product data.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.5.3-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Synchronizing with External Data Management Systems

Requirement Text:

Automatic synchronization can occur several ways. One approach involves integrating ACMS into the external data management system, so that access to and control of the product data is through ACMS. Other methods of automatic synchronization include pushing metadata about changes to the product data from the external data management system to ACMS on a regular basis. Another approach involves ACMS pulling the state-change metadata from the external data management system by polling the external system at regular intervals. A third approach to automatic synchronization involves retrieving the metadata from the external system on a "when needed" basis and comparing the retrieved metadata with ACMS' metadata to determine if changes have occurred.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.6

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Workflow Capabilities.

Requirement Text:

ACMS will include the ability to distribute tasks and product data via workflow capabilities. Specifically, ACMS will provide users the ability to build, participate, and monitor pre-defined and ad hoc workflows. ACMS will permit users to build, participate, and monitor ACMS workflows using a web browser across the Internet or via a regular ACMS client application. ACMS also will interface with the JCALS Workflow Manager.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.6.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Workflow Builders

Requirement Text:

Authorized ACMS users will be able to build workflows. These workflows may be saved as templates or executed as ad hoc workflows. The creator of a workflow will be able to build sequential and concurrent tasks, establish timed and event triggers, and assign roles to users with specific data access rights for specific tasks within the workflow.

Resolution Text:

Authorized ACMS users will be able to build workflows. These workflows may be saved as templates or executed as ad hoc workflows. The creator of a workflow will be able to build sequential and concurrent tasks, and establish timed and event triggers.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

*From: Third sentence - ...concurrent tasks, establish timed and event triggers, and assign roles to users with specific data access rights for specific tasks within the workflow. To: ... concurrent tasks and establish timed and event triggers.
Explanation:*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.6.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Workflow Participants

Requirement Text:

A participant in a workflow will receive notifications of workflow tasks. ACMS will enable participants to check their work queues, select a specific task on which to work, read any task messages or notifications that accompany the task, retrieve product data that has been associated with the task, and electronically sign-off on task completion or product data.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.6.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Workflow Monitors

Requirement Text:

Selected ACMS users will be able to monitor the progress of tasks within the workflow. This includes being able to determine which tasks have been completed, which tasks are late, and the workloads of individuals participating in the workflow. Again this function may be performed either via a web browser or the ACMS client application.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

ACMS will configuration manage product structures and product data in accordance with the guidance provided in MIL-HDBK-61, Configuration Management Guidance, and MIL-STD-2549, Configuration Management Data Interface. Specifically, ACMS will enable users to record the following:

Resolution Text:

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: Sixth item - Unique file identifiers (to include time/date stamp). To: Unique file identifiers (to include revision and time/date stamp). Explanation:

Justification Text:

Recommend Rejecting. In the concept for a 1-tiered revision scheme outlined by BDM, the user will request document representation revisions and receive files via their direct associated with the document representation. If one finds it necessary to carry the 1-tiered scheme all the way down to the file, then the file data/time stamp is the "revision indicator" for the file per MIL-STD-2549. If the Army wishes to have a "revision indicator" for files in addition to the date/time stamp, it will be necessary to initiate a change to MIL-STD-2549.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7- 1

Source 1:

Source 2:

<null>

Source 1 ID:

<null>

Source 2 ID:

<null>

Paragraph #:

<null>

Paragraph #:

<null>

Note:

<null>

Note:

<null>

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

Unique identifiers for configuration items (CIs) and their subordinate parts and assemblies ,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7- 2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

The identifier of each CI's configuration control authority,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7- 3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

The unique identifier of configuration baseline product data,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7- 4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

The release and baseline status of any ACMS controlled product structure or data item,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7- 5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

The correlation between product data and the product structure element it represents,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7- 6

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

Unique file identifiers (to include time/date stamp),

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7- 7

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

Part numbers corresponding to CIs and subordinate parts and assemblies,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7- 8

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

Effectivity and release times and dates for product structures and product data,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7- 9

Source 1:

Source 2:

<null>

Source 1 ID:

<null>

Source 2 ID:

<null>

Paragraph #:

<null>

Paragraph #:

<null>

Note:

<null>

Note:

<null>

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

Identifiers and status of engineering change actions,

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7-10

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

Results of configuration audits, and

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.7-11

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Configuration Manage Product Structures and Product Data

Requirement Text:

Engineering change action and audit actions assigned to individuals.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.8

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Record and Report on Product Data Status

Requirement Text:

ACMS will record and present to authorized users the release, baseline, change, and audit status of product structures and product data. In particular, ACMS will provide authorized users with the capability to record the release levels of specific product structures and product data, when the product structure or product data was promoted to the indicated release level, and when the release became effective. Authorized users will be provided the ability to generate displays and reports containing the above release status data. ACMS also will enable authorized users to record the identity of a baselined product structure and related configuration data, along with when the baseline was approved and the effective date of the baseline. ACMS will also record and report on the status of engineering changes, actions associated with the changes, and the implementation status of changes. As audits are performed, ACMS will record and report on the schedules, status, and results of configuration audits.

Resolution Text:

ACMS will record and present to authorized users the release, baseline, change, and audit status of product structures and product data. In particular, ACMS will provide authorized users with the capability to record the release levels of specific product structures and product data, when the product structure or product data was promoted to the indicated release level, and when the release became effective. Authorized users will be provided the ability to generate displays and reports containing the above release status data. ACMS also will enable authorized users to record the identity of a baselined product structure and related configuration data, along with when the baseline was approved and the effective date of the baseline. ACMS will also record and report on the status of engineering change actions, actions associated with the changes, and the implementation status of changes. As audits are performed, ACMS will record and report on the schedules, status, and results of configuration audits.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

From: ...report on the status of engineering changes. To: ... report on the status of engineering change actions. Explanation: Engineering changes is not defined, define it or use engineering change actions which is proposed to be defined.

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.2.2.9

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Archive and Backup Product Data

Requirement Text:

ACMS will provide system administrators with the tools necessary to establish and maintain archives and backups of product data kept in ACMS vaults. In the event of corruption or other damage to the ACMS data vault, ACMS will enable system administrators to restore the system from backups. Similarly, ACMS will provide system administrators with the tools needed to request and retrieve historical archives information from off-line archival storage. ACMS will provide for backup operations at remote sites for each site as part of the Army's Continuity of Operations Plan (COOP) for product data.

Resolution Text:

ACMS will provide system administrators with the tools necessary to establish and maintain archives and backups of product data kept in ACMS vaults. In the event of corruption or other damage to the ACMS data vault, ACMS will enable system administrators to restore the system from backups. Similarly, ACMS will provide system administrators with the tools needed to request and retrieve historical archives information from off-line archival storage. ACMS will provide for backup operations at remote sites for each site as part of the COOP for product data.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Fourth sentence -as part of the Army's Continuity of Operations Plan (COOP) for product data. To: ... as part of the COOP for product data. Explanation:</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Data Use

Requirement Text:

Data Use.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.3.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Overview

Requirement Text:

Use of product data within the data's life cycle involves all activities which require a direct interface with a consumer of the data, as opposed to an author or manager of data. Example activities performed by consumers include finding, requesting, receiving, viewing, analyzing, processing or manipulating, and printing product data. Sometimes copying and redlining product data are considered activities within the data use life-cycle phase, but for the purposes of this discussion, they are part of the data acquisition phase discussed earlier.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.3.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Operational Concept

Requirement Text:

ACMS is a configuration and product data management system. Its support of the data use life-cycle phase is limited to assisting consumers of product data in finding, requesting, receiving, viewing, and printing product data. There are two categories of ACMS product data consumers: individuals and applications. Individuals typically will interact with ACMS via ACMS client software or across the Internet using a web-based browser. Individual consumers will find product data by navigating product structures or by querying metadata. Once product data is located, the individual consumer will initiate a request for the data which ACMS will retrieve and present to the consumer. After receiving the product data, the consumer will use ACMS or local viewing tools to view the product data and, if desired, print the image.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.3.2-1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Operational Concept

Requirement Text:

Applications which are consumers of Army product data will interact with ACMS by an open and published interface. The interface may involve exchanging product data, to include metadata, or it may involve the application invoking an ACMS feature.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.3.2-2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Operational Concept

Requirement Text:

The following subparagraphs provide descriptions of specific ACMS operational capabilities that will support the management of Army product data.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.3.2.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Navigate Product Structures

Requirement Text:

Users of ACMS will be able to locate and request product data managed under the ACMS federation of systems by navigating product structures. The user will only be able to navigate product structures for which he or she is authorized to view. Product structures may be navigated via ACMS' web-based browser capability or via ACMS client software. It will not be necessary for the user to know the specific location of the product data in the ACMS federation.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.3.2.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Search Product Data Attributes

Requirement Text:

ACMS users also will be able to search for product data by constructing queries against product data attributes. ACMS will provide the ability to group product data which share a common set of required attributes. Once a user determines which class or group of product data they need, it will be possible for the user to build queries to locate particular instances of the group. The queries, which may be saved for later reuse, will provide the ability to search attributes associated with the particular grouping for specific values, ranges of values, and logical combinations using Boolean operations. Because the system administrator will have the ability to restrict a user's access to specific product data attributes, ACMS will also be able to restrict the types of queries users can create. Product data searches via queries may be created and initiated from ACMS' web-based browser capability or from the ACMS client software. As before, it may not be necessary for the user to know the specific location of the product data in the ACMS federation.

Resolution Text:

ACMS users also will be able to search for product data by constructing queries against product data attributes. ACMS will provide the ability to group product data which share a common set of required attributes. Once a user determines which group of product data they need, it will be possible for the user to build queries to locate particular instances of the group. The queries, which may be saved for later reuse, will provide the ability to search attributes associated with the particular grouping for specific values, ranges of values, and logical combinations using Boolean operations. Because the system administrator will have the ability to restrict a user's access to specific product data attributes, ACMS will also be able to restrict the types of queries users can create. Product data searches via queries may be created and initiated from ACMS' web-based browser capability or from the ACMS client software. As before, it may not be necessary for the user to know the specific location of the product data in the ACMS federation.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	From: Third sentence - ...determines which class or group of product data To: ... determines which group of product data Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.3.2.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Request and Retrieve Product Data

Requirement Text:

Once product data has been found within ACMS, either as the result of a successful search, through product structure navigation, or association with a workflow task, the user will initiate the ACMS check-out function. If the user is authorized to access the product data, ACMS will respond by checking out the requested product data from the ACMS vault and copying it to the user's workspace. ACMS will perform this operation regardless of whether the user has accessed ACMS via a web browser or via an ACMS client application. In some cases, the request for product data includes launching a viewing or authoring application. If the requested file requires translation prior to presentation to the user and an appropriate translator has been included as part of ACMS, then the request and receipt of the product data will trigger an automatic translation of the product data for the user.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: B.2.3.2.4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

View Images

Requirement Text:

ACMS will provide a number of imaging services that enable a user to view and redline images. ACMS will provide for the launching of viewing and redlining software applications via file associations. When a file is checked out using ACMS and the file type is of a particular type, ACMS will launch the appropriate software to either view, redline, or, in some cases, first translate the file to a form that can be viewed or marked up. ACMS will control and protect the viewable and redlined images. ACMS also will ensure that individual reviewer redlines and annotations are kept distinct.

Resolution Text:

Justification Text:

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19-Feb-98

Requirement ID: B.2.3.2.5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Print Product Data

Requirement Text:

As part of its support to the data use life-cycle phase, ACMS will provide users with the ability to print viewable images and redlines. Specifically, ACMS will provide established reports such as technical data package lists (TDPLs), generic breakdown lists (GBLs), and where-used reports. ACMS must also provide performance-based reporting and the ability to produce process information.

Resolution Text:

Justification Text:

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Requirement ID: C

Source 1:

Source 2:

<null>

Source 1 ID:

<null>

Source 2 ID:

<null>

Paragraph #:

<null>

Paragraph #:

<null>

Note:

<null>

Note:

<null>

Category:

APPENDIX C

Requirement Text:

ACMS Support to Selected Business Processes

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: C.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Introduction

Requirement Text:

The following paragraphs present examples of ACMS operational capabilities being applied in support of three business processes. This is done to tie the various operational capabilities described in Appendix B and illustrate their use in Army processes that require product data. The three processes presented are Integrated Process Team (IPT) Information Sharing, Engineering Change Action Processing, and Technical Data Package (TDP) Validation.

Resolution Text:

The following paragraphs present examples of ACMS operational capabilities being applied in support of three business processes. This is done to tie the various operational capabilities described in Appendix B and illustrate their use in Army processes that require product data. The three processes presented are IPT Information Sharing, Engineering Change Action Processing, and TDP Validation.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: Third sentence - ... presented are Integrated Process Team (IPT) Information Sharing, Engineering Change Action Processing, and Technical Data Package (TDP) Validation. To: ... presented are IPT Information Sharing, Engineering Change Action Processing, and TDP Validation. Explanation:

Justification Text:

Accept.

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19-Feb-98

Requirement ID: C.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

IPT Information Sharing

Requirement Text:

During system development, ACMS will provide authorized IPT members simultaneous access to current, relevant product data. IPT members are apt to be geographically dispersed and represent a variety of communities, each having different life-cycle responsibilities for the system. As such, they will work with the product data in different ways. All will require the ability to rapidly identify product data they need and to retrieve that product data in a form in which they can use.

Resolution Text:

Justification Text:

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Requirement ID: C.2.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Product Data Creation

Requirement Text:

Creators of product data on an IPT may use ACMS to create working and released product data. Both types of product data will be vaulted in a secure environment where access to the product data is strictly controlled via user, group, and file type permissions.

Resolution Text:

Justification Text:

ACMS Requirements Review

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Requirement ID: C.2.1.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Working Product Data

Requirement Text:

Working product data represents work in-progress. Only product data creators may make changes to the data, but select members of the IPT may be given view or copy access to the product data. In the early stages of its life, working product data need not be revisioned. In this circumstance, the state of the product data is highly dynamic. It may be stored in a secure vault where other members of the design team and possibly other members of the IPT can access the product data, but the revision identifiers need not be updated. Product data creators are trusted to coordinate changes they make, but are not required to establish new revisions until the product data reaches an appropriate level of maturity. When a change is being made, the non-revisioned product data is checked out from ACMS. This locks the product data from changes by others, but does not preclude other users from copying or viewing the product data. When the product data is checked back in, the product data is released for check-out by others, but is not revisioned. As the product data matures, the design team may elect to move their working product data into a vault where the product data is revisioned. Once this happens, each time the product data is check-out, revised, and then checked back in to the vault, a new revision is created. Eventually, as the data matures further, it will become time to formally release the data for access to a wider audience. ACMS will enable the current data change authority to have a workflow created for release review (or retrieve a saved workflow). The product data that is a candidate for release will routed through the workflow along with an editable on-line release review display where comments and electronic sign-offs can be captured. Reviewers will retrieve the product data using ACMS, mark-up or redline a viewable image, add comments to the on-line review display, and either recommend the product data be reworked or add their electronic signatures to the sign-off. When the product data successfully progresses through the review, the product data will transition from working product data to released product data and will be subject to formal configuration control rules and processes.

Resolution Text:

Working product data represents work in-progress. Only product data creators may make changes to the data, but select members of the IPT may be given view or copy access to the product data. In the early stages of its life the product data is highly dynamic. It may be stored in a secure vault where other members of the design team and possibly other members of the IPT can access the product data, but the revision identifiers need not be updated. Product data creators are trusted to coordinate changes they make, but are not required to establish new revisions until the product data reaches an appropriate level of maturity. When a change is being made, the non-revisioned product data is checked out from ACMS. This locks the product data from changes by others, but does not preclude other users from copying or viewing the product data. When the product data is checked back in, the product data is released for check-out by others, but is not revisioned. As the product data matures, the design team may elect to move their working product data into a vault where the product data is revisioned. Once this happens, each time the product data is check-out, revised, and then checked back in to the vault, a new revision is created. Eventually, as the data matures further, it will become time to formally release

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the data for access to a wider audience. ACMS will enable the current data change authority to have a workflow created for release review (or retrieve a saved workflow). The product data that is a candidate for release will be routed through the workflow along with an editable on-line release review display where comments and electronic sign-offs can be captured. Reviewers will retrieve the product data using ACMS, mark-up or redline a viewable image, add comments to the on-line review display, and either recommend the product data be reworked or add their electronic signatures to the sign-off. When the product data successfully progresses through the review, the product data will transition from working product data to released product data and will be subject to formal configuration control rules and processes.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>(PART 1)...From: Third and fourth sentences-- In the early stages of its life, working product data need not be revisioned. In this circumstance, the state of the product data is highly dynamic. It may be stored To: In the early stages of its life the product data is highly dynamic. It may be stored ... Explanation: (PART 2)...From: Thirteenth sentence - ...release will routed throughTo: ... release will be routed through ... Explanation:</i>
AMSAA	Gordon Ney	<i>From: ...The product data that is a candidate for release will routed.... To: ... The product data that is a candidate for release will be routed... Explanation: Editorial clarification</i>

Justification Text:

Accept AMSAA and AMCOM comments. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

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Requirement ID: C.2.1.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Released Product Data

Requirement Text:

Released product data represents data that is under formal configuration control. It may not be changed, but new revisions can be created via a formal engineering change process (described later). Released developmental data, delivered data, and baselined data can fall into this category of product data. Like working product data, released product data is vaulted and subject to access control rules. New revisions of released product data may be created, but it does not constitute a new release until after an engineering change action successfully passes through the formal engineering change process. A trusted data creator then checks out the current revision of the released product data, makes changes using an authoring application, and then saves (checks in) the revised product data as a new revision and a new release. Changes to baselined releases of product data is supported in a similar manner. The difference is that the change control process must go through a Configuration Control Board (CCB) prior to accepting the change and, both the release status attribute and the baseline status attributes of the product data will change

Resolution Text:

Released product data represents data that is under formal configuration control. It may not be changed, but new revisions can be created via a formal engineering change process (see paragraph C.3). Released developmental data, delivered data, and baselined data can fall into this category of product data. Like working product data, released product data is vaulted and subject to access control rules. New revisions of released product data may be created, but it does not constitute a new release until after an engineering change action successfully passes through the formal engineering change process. A trusted data creator then checks out the current revision of the released product data, makes changes using an authoring application, and then saves (checks in) the revised product data as a new revision and a new release. Changes to baselined releases of product data are supported in a similar manner. The difference is that the change control process must go through a Configuration Control Board (CCB) prior to accepting the change and, both the release status attribute and the baseline status attributes of the product data will change.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Second sentence -engineering change process (described later). To: ... engineering change process (see paragraph C.3). Explanation:</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
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AMSAA

Gordon Ney

From: ...Changes to baselined releases of product data is supported in a similar manner. To: ... Changes to baselined releases of product data are supported in a similar manner. Explanation: Editorial clarification

Justification Text:

Accept both comments.

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Requirement ID: C.2.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Concurrent Access to Product Data

Requirement Text:

A key assumption in the use of IPTs is that members will have simultaneous access to current, relevant product data. Sometimes this required data will be working product data. In other cases, the data will be released and possibly baselined product data. In either case, ACMS will make the product data available to authorized IPT members. It also is desired that users access to the product data be based on their responsibilities and roles, not where they reside geographically or organizationally.

Resolution Text:

Justification Text:

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Requirement ID: C.2.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

IPT Member Access to Product Data

Requirement Text:

ACMS will allow members of an IPT to access ACMS via ACMS client software or a commercial web browser. Based on the member's rights, ACMS will control the member's access to product data. The IPT member will be able to search or navigate ACMS for product data on a particular part, component, or product. Searches will be possible via query or search displays. These queries or searches will be performed against attributes of the product data contained in the set of metadata. The actual displays will be customizable by the ACMS system administrator. ACMS also will enable the IPT member to find product data by navigating product structures. Once desired product data is found, the IPT member will be able to request either a display of metadata, a viewable image of the product data, or the source product data (e.g., CAD model). If the product data is checked out by someone else, ACMS will retrieve a copy of the requested product data. If the product data is available for check-out and the IPT member has check-out permissions, ACMS will check the product data out and present it to the IPT member. In some instances, ACMS will actually provide the tool necessary to view or translate the product data. In other instances, ACMS will launch a viewing or authoring application for the member. Displays of metadata will be customizable by an ACMS system administrator.

Resolution Text:

Justification Text:

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Requirement ID: C.2.4

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Data Use as Part of a Workflow

Requirement Text:

Many IPT members will be users who do not create product data, but review, evaluate, or reference product data on an regular basis. This can be done as part of a specific task for which they are responsible, in preparation for a major milestone, or as part of a process such as obtaining approvals to release product data. In some of these cases, the IPT members will need to find, retrieve, and view product data just to understand the current state of the requirements, design, or manufacture. In other cases, they will be an active participant in a pre-defined or ad hoc workflow where they need to review product data purposes as part of an assigned task. The following paragraphs describe IPT use of ACMS in a workflow situation.

Resolution Text:

Many IPT members will be users who do not create product data, but review, evaluate, or reference product data on a regular basis. This can be done as part of a specific task for which they are responsible, in preparation for a major milestone, or as part of a process such as obtaining approvals to release product data. In some of these cases, the IPT members will need to find, retrieve, and view product data just to understand the current state of the requirements, design, or manufacture. In other cases, they will be an active participant in a pre-defined or ad hoc workflow where they need to review product data purposes as part of an assigned task. The following paragraphs describe IPT use of ACMS in a workflow situation.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: First sentence - ...product data on an regular basis. To: ... product data on a regular basis. Explanation:

Justification Text:

Accept.

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Requirement ID: C.2.4.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Workflow Builder

Requirement Text:

Authorized members of an IPT will be able to build ACMS workflows. These workflows can be saved as templates or executed as ad hoc workflows. IPT members who build workflows will be able to build sequential and concurrent tasks, establish timed and event triggers, and assign users to roles with specific data access rights for specific tasks within the workflow. Workflows may be built so that the rights of specific users or the rights associated with specific roles are temporarily restricted or expanded once the task becomes active.

Resolution Text:

Authorized members of an IPT will be able to build ACMS workflows. These workflows can be saved as templates or executed as ad hoc workflows. IPT members who build workflows will be able to build sequential and concurrent tasks and establish timed and event triggers.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

(PART 1)...From: Third sentence-- IPT members who build workflows will be able to build sequential and concurrent tasks, establish timed and event triggers, and assign users to roles with specific data access rights for specific tasks within the workflow.
To: IPT members who build workflows will be able to build sequential and concurrent tasks and establish timed and event triggers. Explanation: (PART 2)...From: ...
To: Remove the last sentence. Explanation:

Justification Text:

Accept.

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19-Feb-98

Requirement ID: C.2.4.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Workflow Participant

Requirement Text:

As a participant in a workflow, an IPT member receives notifications of workflow tasks. ACMS will enable IPT members to check their work queues, select a specific task on which to work, read any tasking messages or notifications that accompany the tasking, retrieve product data that has been attached to the tasking, and electronically sign-off on tasks or product data.

Resolution Text:

Justification Text:

Consider adding the following sentences at the end of this paragraph in response to Paul Behren's comment. Note the granting of permissions. "A workflow participant will be able to "delegate" his task to a co-worker, assigning to the delegatee the information packets and associated permissions granted to him. The delegatee returns the work package to the delegator for sign off."

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Requirement ID: C.2.4.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Workflow Monitor

Requirement Text:

Authorized IPT members will be able to use the web browser to monitor the progress of tasks within the workflow. This includes being able to determine which tasks have been completed, which tasks are late, and the workloads of individuals participating in the workflow.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: C.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Engineering Change Action Processing

Requirement Text:

ACMS will support engineering change action processing using workflow management capabilities, predefined displays, linking of change data to engineering change action documents, and voting and electronic sign-off capabilities. ACMS "where-used" product structure management capabilities and product structure element to product data associations also will enable ACMS to facilitate change impact analyses. Engineering change action processing involves creating an engineering change action document, routing the engineering change action document and attached product data to participants in the engineering change action evaluation process, performing change evaluations, capturing comments and mark-ups, approving proposed changes (voting and electronic sign-off), and initiating change implementation actions (work orders and instructions).

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: C.3.1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Creating an Engineering Change Action

Requirement Text:

A change initiator requests a standard editable on-line engineering change action display from ACMS. ACMS presents the display to the change initiator who inspects the default data provided by ACMS and makes changes and adds data as necessary. ACMS will automatically assign the next available unique engineering change action number. The change initiator uses ACMS' query/search and product structure navigation capabilities to find any product data that needs to be attached to the engineering change action editable on-line display. The engineering change action on-line display may be customized by the local system administrator.

Resolution Text:

A change initiator requests a standard editable on-line engineering change action display from ACMS. ACMS presents the display to the change initiator who inspects the default data provided by ACMS and makes changes and adds data as necessary. ACMS will automatically assign the next available unique engineering change action number or allow the initiator to assign the engineering change action number. The change initiator uses ACMS' query/search and product structure navigation capabilities to find any product data that needs to be attached to the engineering change action editable on-line display. The engineering change action on-line display may be customized by the local system administrator.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: Third sentence - ...unique engineering change action number. To: ... unique engineering change action number or allow the initiator to assign the engineering change action number. Explanation:</i>

Justification Text:

Accept AMCOM comment, but what if the initiator attempts to duplicate a number. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: C.3.2

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Creating an Engineering Change Action Workflow

Requirement Text:

Depending on the engineering change action, local operational procedures, and local preferences, engineering change actions can be distributed via ACMS' predefined or ad hoc workflows. Engineering change action workflows can be built from sequential and concurrent tasks, can have timed and event triggers, and can assign users to roles with specific product data access rights for specific tasks within the workflow.

Resolution Text:

Depending on the engineering change action, local operational procedures, and local preferences, engineering change actions can be distributed via ACMS' predefined or ad hoc workflows. Engineering change action workflows can be built from sequential and concurrent tasks, and can have timed and event triggers.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: Second sentence - ...and concurrent tasks, can have timed and event triggers, and can assign users to roles with specific product data access rights for specific tasks within the workflow. To: ... and concurrent tasks and can have timed and event triggers. Explanation:

Justification Text:

Accept AMCOM comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: C.3.3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Distributing an Engineering Change Action and Attached Product Data

Requirement Text:

A change initiator submits an engineering change action display and attachments for distribution to change evaluators. Depending on command preferences, there are several options for initiating the distribution of an engineering change action. One option is to send the engineering change action and attachments to a change administrator who is then responsible for further distribution of the engineering change action (e.g., invoking an appropriate workflow). A related option is to establish a "drop box" location in ACMS for candidate engineering change actions. The change administrator would periodically checked the "drop box" and distribute new engineering change actions. A third option is to configure or customize ACMS to automatically route a new engineering change action in accordance with a predefined workflow, once the engineering change action is submitted by a change initiator. In this case, a new engineering change action triggers an automatic process within ACMS. Regardless of the option for initiating a distribution, participants in the workflow will be assigned, their roles established (which in turn establishes their access rights), and engineering change actions will be routed based on predefined or ad hoc workflows.

Resolution Text:

A change initiator submits an engineering change action display and attachments for distribution to change evaluators. Depending on command preferences, there are several options for initiating the distribution of an engineering change action. One option is to send the engineering change action and attachments to a change administrator who is then responsible for further distribution of the engineering change action (e.g., invoking an appropriate workflow). A related option is to establish a "drop box" location in ACMS for candidate engineering change actions. The change administrator would periodically check the "drop box" and distribute new engineering change actions. A third option is to configure or customize ACMS to automatically route a new engineering change action in accordance with a predefined workflow, once the engineering change action is submitted by a change initiator. In this case, a new engineering change action triggers an automatic process within ACMS. Regardless of the option for initiating a distribution, participants in the workflow will be assigned, their roles established, and engineering change actions will be routed based on predefined or ad hoc workflows.

COMMENTS:

MSC:

Reviewer:

Comments:

ACMS Requirements Review

19-Feb-98

AMCOM	G Booker/C Crawford	<i>(PART 1)...From: Fifth sentence - periodically checked the "drop box" To: ... periodically check the "drop box".... Explanation: (PART 2)...From: Eighth sentence - ...roles established (which in turn establishes their access rights), and engineering To: ... roles established, and engineering Explanation:</i>
-------	---------------------	---

Justification Text:

Accept AMCOM comments. Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: C.3.4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Performing Change Evaluations

Requirement Text:

Participants in an engineering change action workflow will be notified by e-mail of tasks. ACMS will provide workflow participants with a means to identify outstanding workflow tasks. Participants will select tasks on which to work and use ACMS to retrieve product data necessary to conduct the engineering change action evaluation. Product data attached to the engineering change action will be retrieved directly from ACMS' representation of the task. Any other product data that the evaluator deems necessary will be located and retrieved using ACMS' query/search, product structure navigation, and check-out capabilities. Additionally, evaluators will use ACMS' where-used capabilities and multiple views of product structures to facilitate the conduct of impact analyses. For example, a manufacturing view of the product structure will help identify manufacturing process data that may be impacted by a proposed change. Likewise, a testing view of the product structure might reveal the need to change test plans. The ACMS engineering change action on-line display will include the capability to attach evaluator comments and recommendations. In some cases, evaluators will use the mark-up or redline features of ACMS on viewable images to indicate concerns or recommendations. In other cases, an evaluator may retrieve a copy of product data from ACMS and use an authoring application to create an alternative to the proposed change. This would be saved as new product data, separately controlled, but attachable to the workflow. Upon completion of the evaluation, an evaluator will electronically indicate task completion using ACMS. This will trigger ACMS to move the engineering change action on through the workflow.

Resolution Text:

Justification Text:

Need Task Force guidance on replacement for "editable display" and a few specific instances of "display." Refer to G-25 for detailed discussion.

ACMS Requirements Review

19-Feb-98

Requirement ID: C.3.5

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Approving Proposed Changes (Voting and Electronic Sign-Off).

Requirement Text:

At some point in the engineering change action workflow, members of the Configuration Control Board (CCB) will be tasked to vote on the acceptability of the engineering change action. ACMS will provide the ability to record these votes and protect against unauthorized or premature voting. ACMS also will tabulate the votes and present them to the individual responsible for formally approving the engineering change action. ACMS will record the electronic sign-off or rejection of the engineering change action.

Resolution Text:

At some point in the engineering change action workflow, members of the CCB will be tasked to vote on the acceptability of the engineering change action. ACMS will provide the ability to record these votes and protect against unauthorized voting. ACMS also will tabulate the votes and present them to the individual responsible for formally approving the engineering change action. ACMS will record the electronic sign-off or rejection of the engineering change action.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	(PART 1)...From: First sentence - ...members of the Configuration Control Board (CCB) will ... To: ... members of the CCB will Explanation: (PART 2)....From: Second sentence - ...unauthorized or premature voting. To: ... unauthorized voting. Explanation: Premature voting was deleted as a functional requirement.

Justification Text:

Accept AMCOM's comments.

ACMS Requirements Review

19-Feb-98

Requirement ID: C.3.6

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Initiating Change Implementation Actions

Requirement Text:

As a result of a decision to make a change, it is necessary to initiate a series of change implementation actions. Depending on individual command preferences and policies, the change implementation actions can be initiated and managed via ACMS workflow capabilities. A change implementation workflow would start with a CCB directive which orders that the change be made. This directive would be submitted to an ACMS workflow with relevant contract, program management, and financial data as attachments. Contracts personnel will be tasked to negotiate contract modifications. Program managers or task leaders will then be tasked via the workflow to develop change instructions which in turn will be routed to engineers via the ACMS workflow capabilities. Engineers will design the directed changes using product data checked out from ACMS. The engineers will create new revisions of the product data, but that product data will not be released as the new, baselined revision of the product until after it has gone through a release review. The release review also will be supported by an ACMS workflow. Upon approval of the product data's release (captured electronically in ACMS), a "trusted user" will promote the appropriate revision of the product data to be the new baseline for the product. The "trusted user" also will enter effectivity information relevant to the new, baselined revision of the product data. ACMS will maintain an audit trail of changes. ACMS also will disseminate change notifications to individuals previously identified as needing to know about changes to a product's data.

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: C.4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

TDP Validation

Requirement Text:

ACMS will support validation of Technical Data Packages (TDPs) by automatically responding to reprocurement event triggers, assembling a technical data package list (TDPL), presenting links to the data referenced by the TDPL, and then initiating an appropriate TDP review workflow that culminates in approval and certification of the TDP via electronic sign-off. This process starts with the identification of a need for a part by procurement (Inventory Management). A Procurement Work Directive (PWD) and a Procurement Request Order Number (PRON) are generated by the Inventory Manager's system in response to the need to procure a replacement or spares. The process ends when the certified TDP is sent to procurement.

Resolution Text:

ACMS will support validation of TDPs by automatically responding to reprocurement event triggers, assembling a TDPL, presenting links to the data referenced by the TDPL, and then initiating an appropriate TDP review workflow that culminates in approval and certification of the TDP via electronic sign-off. This process starts with the identification of a need for a part by an Item Manager. A PWD with a PRON is generated by the Item Manager's system in response to the need to procure spare or repair parts.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ... To: ACMS will support validation of TDPs by automatically responding to reprocurement event triggers, assembling a TDPL, presenting links to the data referenced by the TDPL, and then initiating an appropriate TDP review workflow that culminates in approval and certification of the TDP via electronic sign-off. This process starts with the identification of a need for a part by an Item Manager. A Procurement Work Directive (PWD) with a Procurement Request Order Number (PRON) is generated by the Item Manager's system in response to the need to procure spare or repair parts. Explanation:</i>

Justification Text:

Accept with modification. Both PRON and PWD are now spelled out in 3.1.3.2.

ACMS Requirements Review

19-Feb-98

Requirement ID: C.4.1

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

Initiate Validation

Requirement Text:

An Inventory Manager, or an automated system supporting Inventory Management, will determine a need to procure replacements or spares. This will result in creation of a PWD and a unique PRON which is sent to the Configuration Manager. If the PRON and PWD were automatically generated and sent to ACMS, then ACMS will automatically respond to this event trigger by searching for the appropriate part, automatically assembling a TDPL, and automatically initiating a TDP review workflow. In the event that the PRON and PWD are not received automatically, then the Configuration Manager will need to access ACMS, find the part via search queries or product structure navigation, and initiate the assembly of the TDPL and links to the associated product data that makes up the TDP. Once the TDPL has been generated and the associated product data linked, the Configuration Manager will initiate an appropriate workflow for review, validation, approval, and certification of the TDP.

Resolution Text:

An Item Manager, or an automated system supporting Inventory Management, will determine the need to procure spares or repair parts. This will result in a PWD with a unique PRON which is sent to the technical loop for review and validation. If the PRON and PWD were automatically generated and sent to ACMS, then ACMS will automatically respond to this event trigger by searching for the appropriate part, automatically assembling a TDP, and automatically initiating a TDP review workflow. In the event that the PRON and PWD are not received automatically, then the personnel in the initial technical loop processing point will need to access ACMS, find the part via search queries or product structure navigation, and initiate the assembly of the TDP. Once the TDP has been generated, an appropriate workflow will be initiated for review, validation, approval, and certification of the TDP.

COMMENTS:

MSC:

Reviewer:

Comments:

ACMS Requirements Review

19-Feb-98

AMCOM

G Booker/C Crawford

From: ... To: An Item Manager, or an automated system supporting Inventory Management will determine the need to procure spares or repair parts. This will result in a PWD with a unique PRON which is sent to the technical loop for review and validation. If the PRON and PWD were automatically generated and sent to ACMS, then ACMS will automatically respond to this event trigger by searching for the appropriate part, automatically assembling a TDP, and automatically initiating a TDP review workflow. In the event that the PRON and PWD are not received automatically, then the personnel in the initial technical loop processing point will need to access ACMS, find the part via search queries or product structure navigation, and initiate the assembly of the TDP. Once the TDP has been generated, an appropriate workflow will be initiated for review, validation, approval, and certification of the TDP. Explanation:

Justification Text:

Accept with an additional ",".

ACMS Requirements Review

19-Feb-98

Requirement ID: C.4.2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Retrieve Supporting Product Data

Requirement Text:

Upon notification of an outstanding task, the TDP reviewers will be provided with a means to identify outstanding workflow tasks. The reviewers will select a task on which to work and use ACMS to retrieve the data associated with the TDP. Product data attached to the workflow task will be retrieved directly from ACMS' representation of the task. Any other product data that the reviewer deems necessary will be located and retrieved using ACMS' query/search, product structure navigation, and check-out capabilities. For example, the result of the query will identify product data by its drawing, document, or other product data identifier. This product data will include engineering drawings, models, simulations, specifications, standards, testing requirements, quality requirements required to manufacture an item, associated lists; process descriptions; and change action documentation. Other examples of product data include documents defining physical geometry, material composition, performance characteristics, manufacture, assembly, and acceptance test procedures.

Resolution Text:

Upon notification of an outstanding task, the TDP reviewers will be provided with a means to identify outstanding workflow tasks. The reviewers will select a task on which to work and use ACMS to retrieve the data associated with the TDP. Product data attached to the workflow task will be retrieved directly from ACMS without requiring any additional querying or navigating. Any other product data that the reviewer deems necessary will be located and retrieved using ACMS' query/search, product structure navigation, and check-out capabilities. For example, the result of the query will identify product data by its drawing, document, or other product data identifier. This product data will include engineering drawings, models, simulations, specifications, standards, testing requirements, quality requirements required to manufacture an item, associated lists; process descriptions; and change action documentation. Other examples of product data include documents defining physical geometry, material composition, performance characteristics, manufacture, assembly, and acceptance test procedures.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	From: ... To: Third sentence -- What does this mean? Explanation:

Justification Text:

"... retrieved directly from ACMS' representation of the task. ..." means that the user should be able to access the data by simply double clicking the data icon without going to another module of the system to request the data. Please review the proposed change to see if it conveys this concept without specifying a specific solution.

ACMS Requirements Review

19-Feb-98

Requirement ID: C.4.3

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Review and Update TDP

Requirement Text:

ACMS will enable TDP reviewers to view and mark-up or redline viewable images of the product data. Where the TDP is incomplete or requires modification, ACMS will enable the Configuration Manager to create, store, and control new product data or make revisions to the existing product data. Often, either of these activities will involve participating in a review of product data or an engineering change action workflow prior to releasing the product data.

Resolution Text:

ACMS will enable TDP reviewers to view and mark-up or redline images of the product data. Where the TDP is incomplete or requires modification, ACMS will enable the Configuration Manager to create, store, and control new product data or make revisions to the existing product data. Often, either of these activities will involve participating in a review of product data or an engineering change action workflow prior to releasing the product data.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: First sentence - ... or redline viewable images of the To: ... or redline images of the Explanation:</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: C.4.4

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

Assemble and Certify TDP

Requirement Text:

As part of the TDP validation workflow within ACMS, the Configuration Manager will be able to retrieve a TDP Certification Display. The Configuration Manager will fill-in the TDP Certification Display and electronically sign-off on the certification. Once the task is completed, ACMS will route the certification and validated TDP to the Inventory Manager, completing the TDP validation workflow.

Resolution Text:

As part of the TDP Validation workflow within ACMS, the appropriate review personnel will be able to review and electronically sign-off or certify to the adequacy of the TDP. Once the review has been accomplished, ACMS will route the validated TDP to procurement completing the TDP Validation workflow.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: Replace with the following To: As part of the TDP Validation workflow within ACMS, the appropriate review personnel will be able to review and electronically sign-off or certify to the adequacy of the TDP. Once the review has been accomplished, ACMS will route the validated TDP to procurement completing the TDP Validation workflow.
Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: D

Source 1:		Source 2:	<null>
Source 1 ID:	<null>	Source 2 ID:	<null>
Paragraph #:	<null>	Paragraph #:	<null>
Note:	<null>	Note:	<null>

Category:

APPENDIX D Glossary

Requirement Text:

This appendix contains an alphabetical listing of the acronyms and terms used in this specification. Definitions reference MIL-STD-2549 (Configuration Management Data Interface) and/or EIA/IS-649 (Standard for Configuration Management) where appropriate.

Resolution Text:

COMMENTS:

MSC:	Reviewer:	Comments:
AMCOM	G Booker/C Crawford	(PART 1)...From: ...To: ... Add: COOP ...Continuity of Operations Plan Explanation: (PART 2)...From: ...To: ... Add: JEDMICS Joint Engineering Data Management Information and Control System Explanation: (PART 3)...From: ...To:Add: JCALS Joint Computer-Aided Acquisition and Logistics Support Explanation: (PART 4)...From: ... To: Appendix D must be reviewed and reworked IAW all of the comments, including those to Appendices A, B, and C. In all cases, if there is a definition in MIL-STD-2549, that definition should be used. Definitions should be representative of "true" definitions not as they define ACMS functionality. If a definition has to be "couched" in ACMS functionality, then possibly we are misusing a term. Appendix D must be reviewed for the presence of terms not used in the document (e.g., EDL, Commodity Category). Explanation:

MSC:	Reviewer:	Comments:
AMSAA	Gordon Ney	From: ...mixture of acronyms and explanation of terms To: ... compile into two sections one for acronyms and one for an explanation of terms Explanation: Editorial clarification or preference. If you set up list of acronyms then list all acronyms in the document.

MSC:	Reviewer:	Comments:
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ACMS Requirements Review

19-Feb-98

BDM

Jim Cox

*From: ...NEW ACRONYMS To: ...AMC Army Materiel Command,
AMSC Acquisition Management Systems Control. Explanation: Update
Glossary with new Tech Loop acronyms. (T0002)*

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: D-1

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

APPENDIX D Glossary

Requirement Text:

Glossary page D-1

Resolution Text:

Access Profile -- The set of parameters which are used by ACMS to determine whether a user is allowed to act (e.g., read, write, update, delete) on ACMS controlled product data and structures. Ad hoc Query -- A request for information from ACMS that is formulated for a specific occurrence of a purpose or situation. Ad Hoc Workflow -- A modeled process which is automated and consists of a set of tasks and associated triggers, data, and executors that are assembled for a specific occurrence of a purpose or situation. Audit Status -- A category to inform users of the current stage of progress or development of an audit. Baseline Product Structure -- A hierarchical collection of all parts, components, and assemblies comprising a particular product at a particular point in time, including its structure and data.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

(PART 1)...From: Access Profile ...ACMS controlled product data and structures. To: Access Profile ...ACMS controlled data and product structures. Explanation: (PART 2)...From: Ad Hoc Query ...ACMS which has not previously been prepared and executed to....To: ... Ad Hoc QueryACMS for a specific purpose or situation. Explanation: (PART 3)...From: Ad Hoc Workflow... executors which has not previously been prepared and executed.To... Ad Hoc Workflow ...executors for a specific purpose or situation. Explanation: (PART 4)...From: ... Audit Status ...A predefined category defined by users to inform users of the current standing of an audit. To: ... Audit Status ...A category to inform users of the current stage of progress or development of an audit. Explanation: (PART 5)...From: ...To: ... Baseline Product Structures... A hierarchical collection of all parts, components, and assemblies comprising a particular product at a particular point in time, including its structure and data. Explanation:

Justification Text:

Accept with modifications to Ad Hoc Query and Ad Hoc Workflow. The response to AMCOM's comment on Access Profile is on hold pending resolution of the "data" vs. "product data" issue.

ACMS Requirements Review

19-Feb-98

Requirement ID: D-2

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

APPENDIX D Glossary

Requirement Text:

Glossary page D-2

Resolution Text:

CALS -- Continuous Acquisition and Life-Cycle Support. CDCA -- Current Document Change Authority. Engineering Change Action -- A document defining modification of a product and/or data and metadata related to the product. COOP -- Continuity of Operations Plan. COTS -- Commercial-Off-The-Shelf.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	(PART 1)...From: ...To: ... CALS ..Continuous Acquisition and Life-Cycle Support Explanation: (PART 2)...From: ...To: ... CDCA ...Remove the See in front of Current. Explanation: (PART 3)...From: ...To: ... Change Action ...A document defining modification of a product and/or data and metadata related to the product. Explanation: (PART 4)...From: ...To: ... COTS ...Commercial-Off-The-Shelf Explanation:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	(PART 1) From: ... Modification of a product, the data and metadata related to the product. Change action examples include engineering change proposals, deviations, waivers. To: ... Modification of a product, the data and metadata related to the product.Change action examples include engineering change proposals, and deviations. Explanation: Waivers no longer authorized. Is this an ACMS unique definition? Is change action defined in the applicable documents or an industry standard? (PART 2) From: ...Change Action To: ... Engineering Change Action Explanation: Is there a difference between a change action and an engineering change action?

Justification Text:

Accept AMCOM comments with change from "Change Action" to "Engineering Change Action" per AMSAA comment.

ACMS Requirements Review

19-Feb-98

Requirement ID: D-3

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

APPENDIX D Glossary

Requirement Text:

Glossary page D-3

Resolution Text:

Dynamic Interface -- A real-time exchange of data.

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ... To: ... Dynamic Interface... A real-time exchange of data. Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: D-4

Source 1:		Source 2:	<null>
Source 1 ID:	<null>	Source 2 ID:	<null>
Paragraph #:	<null>	Paragraph #:	<null>
Note:	<null>	Note:	<null>

Category:

APPENDIX D Glossary

Requirement Text:

Glossary page D-4

Resolution Text:

ECP -- Engineering Change Proposal. Engineering Change Proposal -- The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval (reference: MIL-STD-2549). Engineering Change -- A change to the current approved configuration documentation of a configuration item (reference: MIL-STD-2549). Explanation: Term is used and should be defined using MIL-STD-2549 definition. Engineering Change Action Display -- A predefined electronic display that represents a form and is created in ACMS to facilitate description and review of an engineering change actions.

COMMENTS:

MSC:

AMSAA

Reviewer:

Gordon Ney

Comments:

(PART 1) From: To: "Add" Engineering Change Proposal (ECP) The documentation by which a proposed engineering change is described, justified, and submitted to the current document change authority for approval or disapproval. Explanation: Term is used and should be defined using MIL-STD-2549 definition. (PART 2) From: To: "Add" Engineering Change A change to the current approved configuration documentation of a configured item. Explanation: Term is used and should be defined using MIL-STD-2549 definition. (PART 3) From: ...Engineering Change Display To: ... Engineering Change Action DisplayExplanation: Proposed for consistent application of terms.

Justification Text:

Accept with minor modifications to capture exact MIL-STD-2549 language, but will need to confirm in the final document that these terms are still used.

ACMS Requirements Review

19-Feb-98

Requirement ID: D-5

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

APPENDIX D Glossary

Requirement Text:

Glossary page D-5

Resolution Text:

GBL -- Generation Breakdown List

COMMENTS:

MSC:

AMCOM

Reviewer:

G Booker/C Crawford

Comments:

From: ...To: ...GBL ...Generation Breakdown List Explanation:

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: D-6

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

APPENDIX D Glossary

Requirement Text:

Glossary page D-6

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: D-7

Source 1:

Source 2:

Source 1 ID:

Source 2 ID:

Paragraph #:

Paragraph #:

Note:

Note:

Category:

APPENDIX D Glossary

Requirement Text:

Glossary page D-7

Resolution Text:

Justification Text:

ACMS Requirements Review

19-Feb-98

Requirement ID: D-8

Source 1:
Source 1 ID:
Paragraph #:
Note:

Source 2:
Source 2 ID:
Paragraph #:
Note:

Category:

APPENDIX D Glossary

Requirement Text:

Glossary page D-8

Resolution Text:

TDP -- Technical Data Package. Technical Data Package -- A technical description of an item adequate for supporting an acquisition strategy, production, engineering, and logistics support. The description defines the required design configuration and procedures required to ensure adequacy of item performance. It consists of all applicable technical data such as drawings and associated lists, specifications, standards, performance requirements, quality assurance provisions, and packaging details (reference: MIL-STD-2549). Tech Loop The business processes comprising the assembly, review, validation, update (if any), and dissemination of a Technical Data Package.

COMMENTS:

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMCOM	G Booker/C Crawford	<i>From: ...To: ...Tech Loop The business processes comprising the assembly, review, validation, ... Explanation:</i>

<u>MSC:</u>	<u>Reviewer:</u>	<u>Comments:</u>
AMSAA	Gordon Ney	<i>From: associated list To:associated lists Explanation: Editorial Clarification</i>

Justification Text:

Accept.

ACMS Requirements Review

19-Feb-98

Requirement ID: D-9

Source 1:		Source 2:	<null>
Source 1 ID:	<null>	Source 2 ID:	<null>
Paragraph #:	<null>	Paragraph #:	<null>
Note:	<null>	Note:	<null>

Category:

APPENDIX D Glossary

Requirement Text:

Glossary page D-9

Resolution Text:

Technical Baseline -- The collection of documents which are associated with a particular project. Generally, they serve to document the analysis and the rationales which were used to authorize the project to proceed past various milestones. Timed Trigger -- An action that is pre-defined and based on a certain time interval or date. Workflow Capabilities -- Functionality associated with the creation, storage, implementation, modification, and monitoring of a pre-defined sequence of tasks and their associated data and executors. Work Queue -- An electronic listing of workflow tasks assigned to a particular user. Vault -- A logical computer data storage area, possibly distributed, and associated databases which maintain the integrity and security of stored data via controlled access through check-in and check-out features that restrict and track access in accordance with defined access permissions and rules.

COMMENTS:

MSC: AMCOM	Reviewer: G Booker/C Crawford	Comments: (PART 1) ..From: ...To: ...Timed Trigger An action that is Explanation: (PART 2)...From: ...To: ...Workflow Capabilities Functionality associated with ... Explanation: (PART 3)...From: ...To: ...Work Queue to a particular user. Explanation: (PART 4)...From: ...To: Technical Baseline Remove the (TECHBL). Explanation:
MSC: AMSAA	Reviewer: Gordon Ney	Comments: From: To: Add "Vault" needs to be defined. Explanation: CIM DATA definition The PDM system's computerized data storage area and databases. Information stored in PDM vaults are controlled by system rules and processes.VPSCii has a definition in their guide www.summitsource.comHopefully we can get a definition that is acceptable. CIM Data's seems too restrictive for ACMS.

Justification Text:

Accept.
